



STAR RADCLIFFE ACADEMY

DRAINAGE STRATEGY TECHNICAL NOTE

Project No: 2303-02

October 2025

Rev: P02

FS1013-REN-XX-XX-T-C-0162

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Date **21.10.2025**

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 BEng, CEng, MIStructE

Date **21.10.2025**

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Rev.	Description	Author	Checked	Date
P02	Site description updated	H Wilkinson	A Isherwood	22.10.2025
P01	Issued to support Section 73 Application	H Wilkinson	A Isherwood	21.10.2025

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1. INTRODUCTION

1.1 Purpose of this Report

This Site-Specific Drainage Strategy Technical Note has been produced to support a Section 73 for the minor amendments to the Star Radcliffe Academy drainage strategy (Doc Ref: FS1013-REN-XX-XX-T-C-0161).

This technical note should be read in conjunction with the previously approved drainage reports for the permanent Star Radcliffe Academy development:

- renaissance Flood Risk Assessment – FS1013-REN-XX-XX-T-C-0160
- renaissance Drainage Strategy – FS1013-REN-XX-XX-T-C-0161
- Brownfield Solutions FS1013-BSL-XX-XX-T-O-1000

2. THE SITE

2.1 Site Location

The proposed development site is located off Spring Lane, Radcliffe.

The site location is described below:

- Post Code M26 2SZ
- OS X (Easting) 378714
- OS Y (Northing) 407606
- Nat. Grid SD 787076

The site location is illustrated in Figure 2.1 below. The approximate overall planning boundary for the Star Radcliffe Academy development is shown in red.



Imagery ©2022 Bluesky, Getmapping plc, Infoterra Ltd & Bluesky, Maxar Technologies, Map Data ©2022

Figure 2.1: Indicative Site Location

2.2 Proposals

The proposed redevelopment consists of the construction of a new 3-storey secondary school building along with a new artificial grass pitch, a multi-use games area (MUGA), a grass pitch, new car parking areas and access roads.

The proposed access road to the south of the site is to be adopted by Bury Council and so does not form part of the private onsite drainage and will be covered under a separate design.

3. DRAINAGE STRATEGY UPDATES

The drainage design has been developed in accordance with the previously approved drainage strategy and relevant guidance, including:

- Building Regulations Part H
- BS EN 752
- Sewerage Sector Guidance Appendix C
- Non-Statutory Technical Standards for Sustainable Drainage: Practice Guidance:
 1. No on-site flooding for the 1 in 30-year rainfall event.
 2. No internal property flooding for the 1 in 100-year rainfall event.
 3. Surface water capacity for the 1-, 2-, 30-, and 100-year storm events, incorporating 40% and 45% climate change allowances for the 1 in 30- and 1 in 100-year events, respectively.
- Maximum storm duration of 6 hours.
- Maximum discharge rate from site of 59.7 l/s.

Since the original drainage strategy for the site was approved, there have been some minor amendments due to developments in the wider design which are captured in this section of the report.

All other aspects of the proposed drainage network are inline with the previously approved drainage strategy.

Refer to Appendix C for the latest Below Ground Drainage General Arrangements.

3.1 Omission of Detention Basin

The previously approved drainage design included a detention basin to provide surface water attenuation. Subsequent intrusive ground investigations in this area identified a high ground water table, presenting a significant risk of groundwater ingress into the surface water network.

To address this, a detailed modelling exercise of the proposed drainage network has been undertaken including an analysis of the upstream SuDS features.

This exercise concluded that the detention basin was not utilised and could be omitted from the design.

The updated drainage model confirms compliance with the design requirements outlined above. The proposed drained areas and outputs from this hydraulic model can be found in Appendix B and C respectively.

3.2 Foul Water System Outfall

The foul water network outfall for the previously approved strategy utilised an existing foul water connection from the site which discharged into the 225-diameter combined sewer within Pine Street. The new proposals are to form a new connection into the 225 combined sewer within the private road to the east of the site (refer to below ground drainage plan sheet 2 of 2 in Appendix A for further details of the proposed connection location).

The principles of this connection have been approved by United Utilities and TFGM.

APPENDIX A BELOW GROUND DRAINAGE PLANS

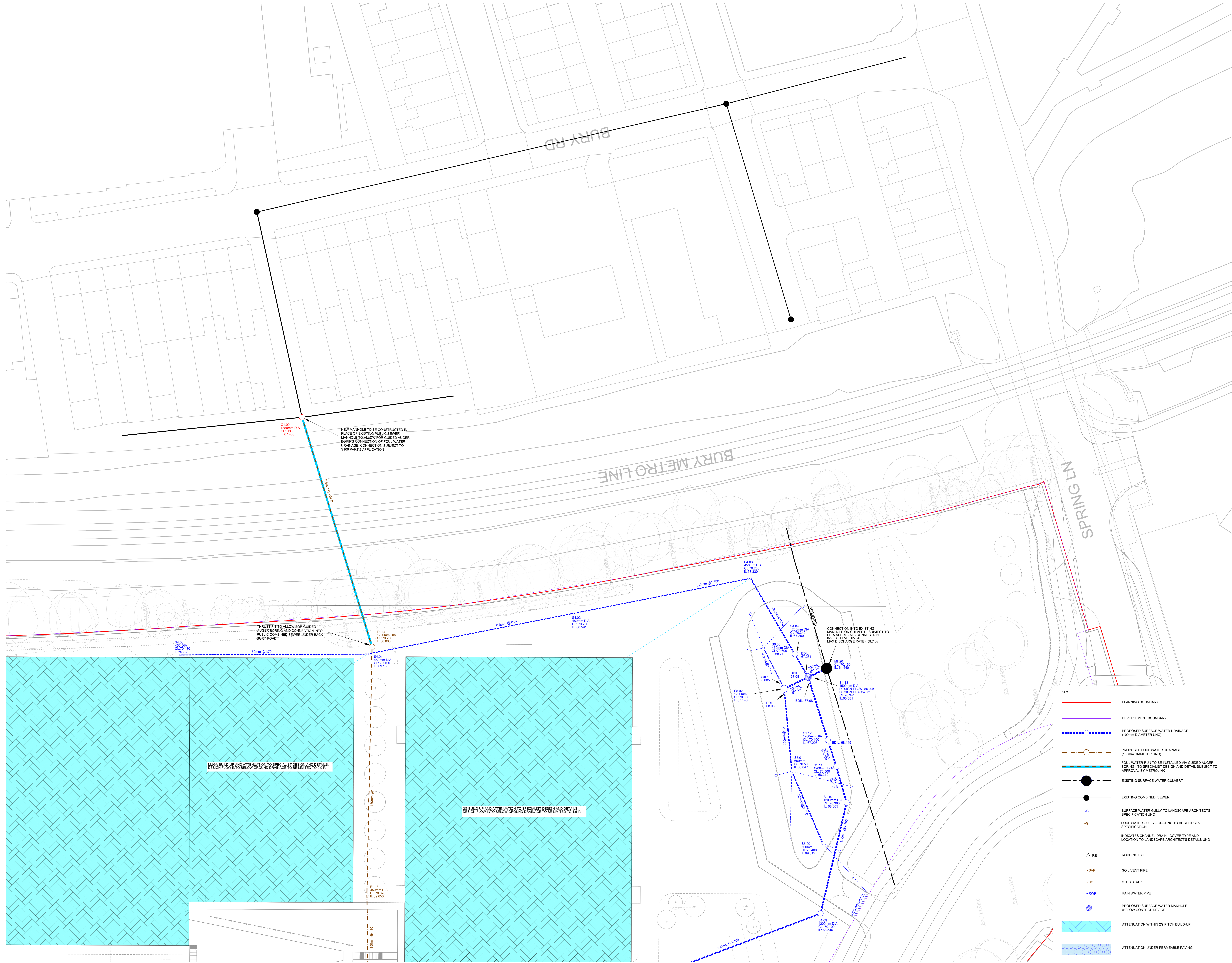
- ALL EXISTING SURVEY SERVICES BELOW PROPOSED BUILDING TO BE MAINTAINED AND NOT TO BE REMOVED WITH EXCAVATIONS BACKFILLED WITH SUITABLE WELL-COMPACTED MATERIAL BEFORE COMMENCING CONSTRUCTION WORK.
- ALL PHASE I AND GEO-ENVIRONMENTAL SURVEYS HAVE INDICATED THE PRESENCE OF COAL BENEATH THE SITE. A MORE EXTENSIVE GEOTECHNICAL INVESTIGATION IS REQUIRED TO VALIDATE THE PRESENCE OF ANY SHALLOW MINING WORKING.
- THE GROUND INVESTIGATION RESULTS INDICATE HIGH GROUNDWATER LEVELS, WHICH ARE AS SHOWN AS RED SPALLS ON THE PLAN. THESE RESULTS INCLUDE INSTABILITY OF FOUNDATIONS AND GROUND SLABS TO RESIST ALLOWING FOR MANAGING THE GROUNDWATER DURING CONSTRUCTION STAGE.
- THE HISTORICAL MAPS INDICATE RAILWAY LINES PREVIOUSLY RUNNING ACROSS THE SITE. WHERE DOCUMENTED, THESE LINES ARE TO BE GRUBBED OUT WITH EXCAVATIONS BACKFILLED WITH SUITABLE WELL-COMPACTED MATERIAL.
- CONTAMINATION MAY BE ENCOUNTERED DURING INVESTIGATIONS. A MORE EXTENSIVE GROUND INVESTIGATION IS REQUIRED TO DETERMINE NECESSARY MITIGATION MEASURES.
- EXTERNAL WORKS SETTING OUT**
- FOR PROPOSED SITE LEVELS AND CHANNEL / GULLY LOCATIONS, REFER TO ARCHITECTS' LAYOUT AND ARCHITECT'S DRAWINGS.
- SWP & RWP SETTING OUT**
- FOR SWP AND RWP LOCATIONS ARE INDICATIVE. FOR DETAILED SETTING OUT REFER TO ARCHITECTS' BUILDING SERVICE ENGINEERS DRAWINGS.
- ALL CONNECTIONS BETWEEN ABOVE GROUND DRAINAGE AND BELOW GROUND DRAINAGE TO BE SIZED TO SUIT ABOVE GROUND DRAINAGE.
- METROPOULIN LINE**
- ALL DRAINAGE AND SURFACE FINISHES ADJACENT TO THE METROPOULIN LINE TO THE EAST OF THE SITE ARE TO FALL AWAY FROM THE EMBANKMENT TO PREVENT ANY IMPACTS ON ITS STABILITY.



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1:250		Project No:		2303-02	
Originator	Volume	Level	Type	Role	Number



1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RENAISSANCE, ARCHITECTS, LANDSCAPE ARCHITECTS AND BUILDING SERVICES ENGINEERS DRAWINGS.
2. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE BELOW GROUND DRAINAGE DETAIL SHOWN ON DRAWING SERIES C-0301 TO C-0304.
3. FOR ALL ABOVE GROUND DRAINAGE AND ASSOCIATED PUMPS REFER TO BUILDING SERVICES AND ARCHITECT'S DRAWINGS.
4. ALL BELOW GROUND DRAINAGE WORKS TO BE IN ACCORDANCE WITH RELEVANT BUILDING REGULATIONS AND SEWER SECTOR GUIDANCE. APPENDIX C: DESIGN AND CONSTRUCTION GUIDANCE. IF DISCREPANCIES ARE NOTED BETWEEN SSC AND DRAWINGS THESE SHOULD BE BROUGHT TO THE ATTENTION OF RENAISSANCE FOR REVIEW.
5. RWP, SVP, SSS AND FLOOR GULLEYS ARE TO HAVE RODDABLE ACCESS POINTS ABOVE GROUND FLOOR TO BUILDING SERVICES DETAILS.
6. THE CONTRACTOR IS TO UNDERTAKE A FULL CCTV SURVEY AT COMPLETION OF THE PROJECT TO DEMONSTRATE THAT THE DRAINAGE IS CLEAR. ANY DEFECTS ARE TO BE CORRECTED BY THE CONTRACTOR PRIOR TO HANDOVER OF THE SYSTEM TO THE CLIENT.
7. THE CONTRACTOR IS TO KEEP A RECORD SET OF THE AS INSTALLED DRAINAGE ON SITE AND PROVIDE THIS TO RENAISSANCE UPON COMPLETION OF THE WORKS TO ALLOW FOR PRODUCTION OF A FINAL CONSTRUCTION ISSUE DRAWING.
8. DURING THE WORKS ALTERATIONS TO THE DRAINAGE LAYOUT ARE TO BE MARKED UP BY THE CONTRACTOR AND AGREED WITH RENAISSANCE IN WRITING.
9. THE CHAMBER SIZE OF PCC MANHOLES WITH MORE THAN ONE CONNECTION IN THEM MAY NEED TO BE INCREASED AN INCREMENT TO ACCOMMODATE THE CONNECTIONS AND BENDS.
10. MANHOLE COVERS ARE TO BE IN ACCORDANCE WITH BS EN 124 FOR THE RATING INDICATED IN THE MANHOLE SCHEDULE. THE CONTRACTOR IS TO SUBMIT DETAILS FOR THE PROPOSED MANHOLE COVERS TO THE ENGINEER AND LANDSCAPE ARCHITECT FOR REVIEW PRIOR TO INSTALLATION.
11. ALL INTERNAL COVERS TO BE RECESSED AND TRIPLE SEALED.
12. COVER SLABS MUST CARRY THE BSI KITEMARK. WHERE THE CLEAR OPENING OF THE KITEMARKED PRODUCT IS DIFFERENT TO THAT OF THE COVER AND FRAME, A LOAD BEARING REDUCING SLAB SHOULD BE FITTED ABOVE THE COVER SLAB TO BRING THE SIZE DOWN TO REQUIRED SIZE.
13. ALL SEWERS TO BE BSI KITEMARK (CERTIFIED TO WS 4-35-01).
14. ALL CONCRETE PIPES TO BE TO BS EN 1916 CLASS 120 (54kN/m).
15. BEDDING AND BACKFILL MATERIAL TO CONFORM TO THE REQUIREMENTS OF THE WATER INDUSTRY SPECIFICATION 4-0802 (TABLE A2).
16. IF PLASTIC PIPES ARE TO BE USED THEN THE FOLLOWING MUST APPLY:
A. BSI KITEMARK CERTIFIED TO BS EN 13476-1 AND WS 4-35-01.
B. PIPES LESS THAN OR EQUAL TO 500mm DIA.
C. BEDDING AND BACKFILL MATERIAL TO CONFORM TO THE REQUIREMENTS OF THE WATER INDUSTRY SPECIFICATION 4-0802 (TABLE A2).
17. THE MINIMUM CRUSHING STRENGTH FOR CLAY PIPES SHOULD BE AS FOLLOWS: 100mm DIA. 40kN/m, 150mm DIA. 40kN/m, 225mm DIA. 45kN/m AND 300mm DIA. 75kN/m.
18. THE MINIMUM CRUSHING STRENGTH FOR CONCRETE PIPES SHOULD BE - (CLASS 120 TO EN 1916BS5911-1 2002). PLASTIC PIPES SHOULD CONFORM TO WS 4-35-01 AND BS EN 13476-1.
19. SULPHATE RESISTANT CEMENT (C20-02C) AND PRECAST CONCRETE PRODUCTS MUST BE USED OR A LABORATORY REPORT PROVIDING THAT SUCH PRECAUTIONS ARE NOT NECESSARY.
20. SEWER PIPES TO BE LAID IN MAXIMUM 3 METER LENGTHS UNLESS THERE IS A SPECIFIC OPERATIONAL NEED TO LAY LONGER PIPES, AND THIS IS AGREED BY THE CONTRACTOR WITH THE PIPE MANUFACTURER.
21. ALL FOUL AND SURFACE WATER BELOW GROUND SYSTEMS ARE TO BE VENTED WITHIN THE ABOVE GROUND DRAINAGE TO THE BUILDING SERVICES ENGINEERS DETAILS.

1. ALL EXISTING BURIED SERVICES BELOW PROPOSED BUILDING TO BE IDENTIFIED AND GRUBBED OUT WITH EXCAVATIONS BACKFILLED WITH SUITABLE WELL-COMPACTED MATERIAL BEFORE COMMENCING CONSTRUCTION WORKS.
2. ALL PHASE 1 AND 1+GEO-ENVIRONMENTAL SURVEYS HAVE INDICATED THE PRESENCE OF COAL BENEATH THE SITE. A MORE EXTENSIVE GROUND INVESTIGATION IS REQUIRED TO VALIDATE THE PRESENCE OF ANY SHALLOW MINE WORKING.
3. THE GROUND INVESTIGATION REPORTS INDICATE HIGH GROUNDWATER LEVELS, WHICH ARE AS SHALLOW AS 0.8m BGL IN PLACES. RELATED RISKS INCLUDE INSTABILITY OF FOUNDATIONS AND GROUND SLABS TO RESIST ALLOWANCE FOR MANAGING THE GROUNDWATER DURING THE CONSTRUCTION STAGE.
4. THE HISTORICAL MAPS INDICATE RAILWAY LINES PREVIOUSLY RUNNING ACROSS THE SITE, WHERE ENCOUNTERED, THESE WILL NEED TO BE GRUBBED OUT WITH EXCAVATIONS BACKFILLED WITH SUITABLE WELL-COMPACTED MATERIAL.
5. CONTAMINATION MAY BE ENCOUNTERED DURING GROUNDWORKS. A MORE EXTENSIVE GROUND INVESTIGATION IS REQUIRED TO DETERMINE NECESSARY MITIGATION MEASURES.

EXTERNAL WORKS SETTING OUT
FOR PROPOSED SITE LEVELS AND CHANNEL / GULLY LOCATIONS, REFER TO LANDSCAPE ARCHITECT'S DRAWINGS.

SVP & RWP SETTING OUT
SVP AND RWP LOCATIONS ARE INDICATIVE. FOR DETAILED SETTING OUT REFER TO ARCHITECT'S BUILDING SERVICE ENGINEERS DRAWINGS.

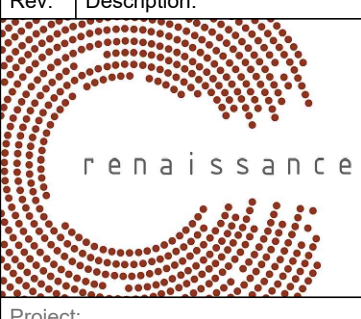
ALL CONNECTIONS BETWEEN ABOVE GROUND DRAINAGE AND BELOW GROUND DRAINAGE TO BE SIZED TO SUIT ABOVE GROUND DRAINAGE.

METROLINK LINE
ALL DRAINAGE AND SURFACE FINISHES ADJACENT TO THE METROLINK LINE TO THE EAST OF THE SITE ARE TO FALL AWAY FROM THE EMBANKMENT TO PREVENT ANY IMPACTS ON ITS STABILITY.

PITCH DRAINAGE
THE PITCH AREAS HAVE BEEN INCLUDED WITHIN THE PROPOSED DRAINAGE DESIGN ALLOWING FOR THE FLOW RATES ADVISED BY THE SUDS SPECIALIST. THERE IS POTENTIAL FOR THE PITCHES TO BE DRAINED VIA AN INFILTRATION ONLY SYSTEM. THIS IS TO BE CONFIRMED ONCE ADDITIONAL INFILTRATION TESTING CAN BE CARRIED OUT UNDER THE FOOTPRINT OF THE EXISTING LEISURE CENTRE BUILDING.

C03	ISSUED WITH S73 APPLICATION	21.10.25	HW	PW
C02	MANHOLE REFS UPDATED	05.08.25	HW	PW
C01	CONSTRUCTION ISSUE	18.07.25	HW	PW

Rev: Description: Date: By: Chkd:



Project: **STAR RADCLIFFE ACADEMY, BURY**

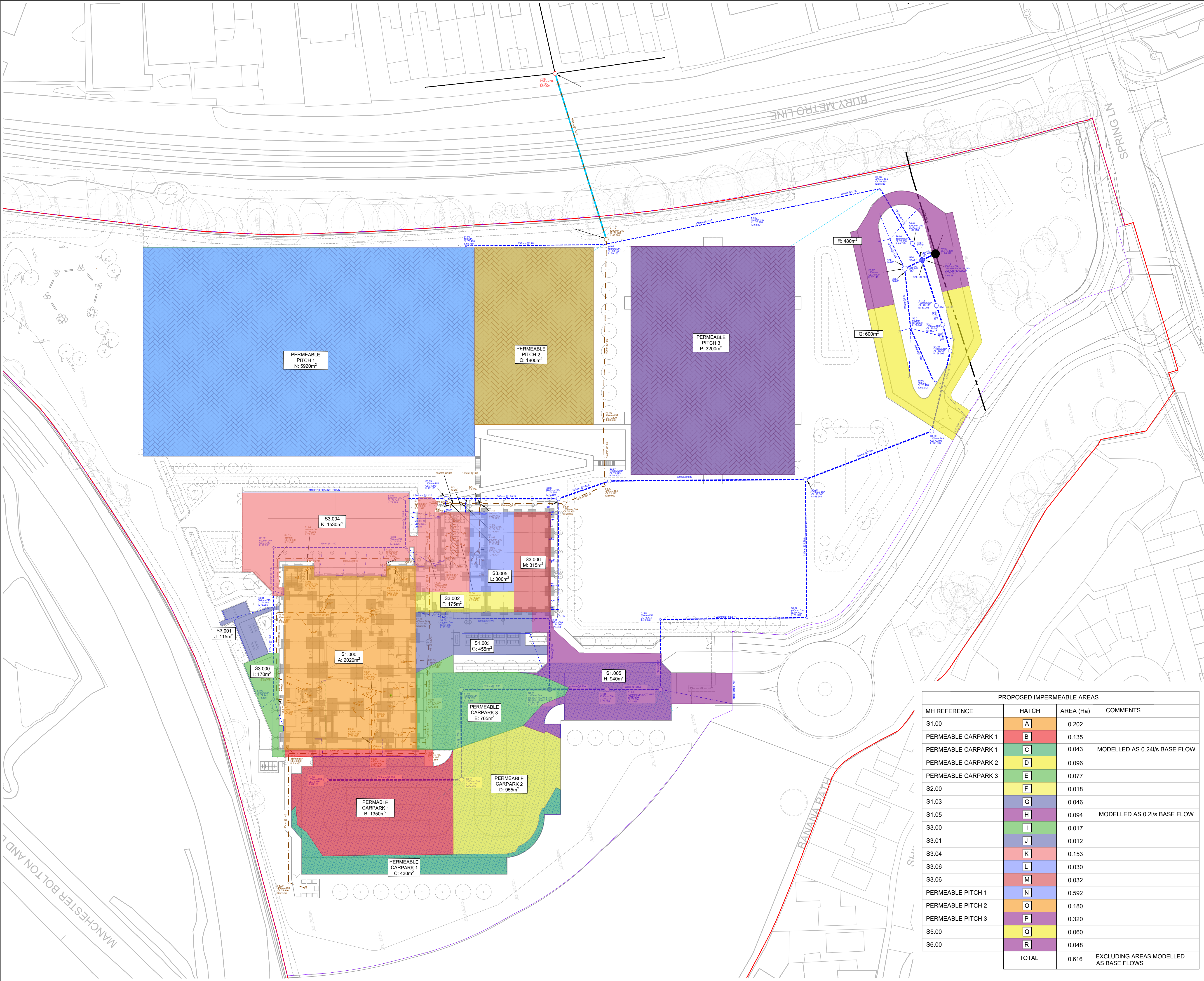
Drawing Title: **BELOW GROUND DRAINAGE PLAN - SHEET 2 OF 2**

Status: **FINAL CONSTRUCTION**

Size: A0	Date: JUN 24	Drawn by: HW	Designed by: HW	Checked by: PW
Scale: 1:250	Project No: 2303-02	Revision:		

Project - Originator - Volume - Level - Type - Role - Number: **FS1013-REN-EX-00-D-C-5211 C03**

APPENDIX B
PROPOSED DRAINED AREAS PLAN



- NOTES:
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH
 - EXISTING DRAINED AREAS PLAN
 - PROPOSED BELOW GROUND DRAINAGE DRAWING
 - INFODRAINAGE HYDRAULIC MODEL OUTPUTS

PROPOSED IMPERMEABLE AREAS			
MH REFERENCE	HATCH	AREA (Ha)	COMMENTS
S1.00	A	0.202	
PERMEABLE CARPARK 1	B	0.135	
PERMEABLE CARPARK 1	C	0.043	MODELLLED AS 0.24l/s BASE FLOW
PERMEABLE CARPARK 2	D	0.096	
PERMEABLE CARPARK 3	E	0.077	
S2.00	F	0.018	
S1.03	G	0.046	
S1.05	H	0.094	MODELLLED AS 0.2l/s BASE FLOW
S3.00	I	0.017	
S3.01	J	0.012	
S3.04	K	0.153	
S3.06	L	0.030	
S3.06	M	0.032	
PERMEABLE PITCH 1	N	0.592	
PERMEABLE PITCH 2	O	0.180	
PERMEABLE PITCH 3	P	0.320	
S5.00	Q	0.060	
S6.00	R	0.048	
TOTAL		0.616	EXCLUDING AREAS MODELLLED AS BASE FLOWS

P06	ISSUED WITH S73 APPLICATION	21.10.25	HW	AI
P05	UPDATED WITH LATEST DRAINAGE PLAN	28.06.25	HW	PW
P04	REVISED TO SUIT CLIENT COMMETNS	06.02.24	SA	PW
P03	STAGE 4	07.09.23	SA	PW
P02	ISSUED FOR PLANNING	07.09.23	HW	PW
P01	STAGE 3	10.08.23	HW	AI
Rev:	Description:	Date:	By:	Chkd:



STAR RADCLIFFE ACADEMY,
BURY

Drawing Title:
**PROPSOSED DRAINED
AREAS PLAN**

Status:
STAGE 5

Size:	Date:	Drawn by:	Designed by:	Checked by:
A1	AUG 23	HW	HW	PW
Scale:	1:500	Project No:	2303-02	
Project - Originator - Volume - Level - Type - Role - Number: Revision:				

FS1013-REN-EX-00-D-C-5201 P06

APPENDIX C

INFODRAINAGE HYDRAULIC MODEL OUTPUTS

Project:	Date: 08/04/2025		
	Designed by:	Checked by:	Approved By:
	HenryWilkinson		
Report Details: Type: Inflow Summary Storm Phase: Storm		Company Address:	



Inflow Label	Connected To	Flow (L/s)	Runoff Method	Area (ha)	Percentage Impervious (%)	Urban Creep (%)	Adjusted Percentage Impervious (%)	Area Analysed (ha)
A - 2020m2	S1.00		Time of Concentration	0.202	100	0	100	0.202
B - 1350m2	Permeable Carpark 1		Time of Concentration	0.135	100	0	100	0.135
C - Sub catchment 2A - 430m2 - 0.19 l/s	Permeable Carpark 1	0.2						
C- Sub catchment 2B 0.05 l/s	Permeable Carpark 2	0.1						
D - 955m2	Permeable Carpark 2		Time of Concentration	0.095	100	0	100	0.095
E - 765m2	Permeable Carpark 3		Time of Concentration	0.076	100	0	100	0.076
F - 455m2	S1.03		Time of Concentration	0.046	100	0	100	0.046
G - 175m2	S2.00		Time of Concentration	0.017	100	0	100	0.017
H - 940m2 - 0.1 l/s	S1.05	0.1						
H - 940m2 - 0.1 l/s	S1.05	0.1						
I - 170m2	S3.00		Time of Concentration	0.017	100	0	100	0.017
J - 114 m2	S3.01		Time of Concentration	0.011	100	0	100	0.011
K - 1530m2	S3.04		Time of Concentration	0.153	100	0	100	0.153
L & M - 612m2	S3.06		Time of Concentration	0.060	100	0	100	0.060
N - 5920m2	Permeable Pitch 1		Time of Concentration	0.590	100	0	100	0.590
O - 1800m2	Permeable Pitch 2		Time of Concentration	0.178	100	0	100	0.178
P - 3200m2	Permeable Pitch 3		Time of Concentration	0.320	100	0	100	0.320
Q - 600m2	S5.00		Time of Concentration	0.060	100	0	100	0.060
r - 480m2	S6.00		Time of Concentration	0.048	100	0	100	0.048
TOTAL		0.5		2.008				2.008

Project:	Date: 08/04/2025		
	Designed by: HenryWilkinson	Checked by:	Approved By:
Report Details: Type: Network Design Criteria Storm Phase: Storm		Company Address:	



Flow Options

Peak Flow Calculation	(UK) Modified Rational Method
Min. Time of Entry (mins)	5
Max. Travel Time (mins)	30

Manchester City Council

Type: FSR

Return Period (years)	100.0
Region	England And Wales
M5-60 (mm)	18.0
Ratio R	0.360

Pipe Options

Lock Slope Options	None
Design Options	Minimise Excavation
Design Level	Level Soffits
Min. Cover Depth (m)	0.600
Min. Slope (1:X)	1000.00
Max. Slope (1:X)	40.00
Min. Backdrop (m)	0.500
Max. Backdrop (m)	1.500
Min. Velocity (m/s)	1.0
Max. Velocity (m/s)	4.0
Use Flow Restriction	☒
Reduce Channel Depths	☒

Pipe Size Library

Pipe Size Library

Add. Increment (mm)	150
Max. Diameter (mm)	600

Diameter (mm)	Min. Slope (1:X)	Max. Slope (1:X)
100	100.00	0.00
150	150.00	0.00
225	150.00	0.00
300	200.00	0.00
450	200.00	0.00

Project:	Date: 08/04/2025		
	Designed by: HenryWilkinson	Checked by:	Approved By:
Report Details: Type: Network Design Criteria Storm Phase: Storm	Company Address:		



Manhole Options

Apply Offset	☐
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Manhole Size Library

Manhole Library

Diameter / Width

Connection (mm)	Diameter / Length (m)	Width (m)
0	0.450	0.000
225	0.600	0.000
375	1.200	0.000
450	1.350	0.000
700	1.500	0.000
900	1.800	0.000

Additional Sizing

Connection (mm)	900
Diameter / Length (m)	0.900
Width (m)	0.000

Depth

Depth (m)	Diameter / Length (m)	Width (m)
0.000	1.050	0.000
1.500	1.200	0.000

Access

Depth (m)	Ladder Protrusion (mm)
0.000	130
3.000	230

Benching Requirements

Landing Width (mm)	500
Benching Width (mm)	225

Project:	Date: 08/04/2025			
	Designed by: HenryWilkinson	Checked by:	Approved By:	
Report Details: Type: Outfall Details Storm Phase: Storm	Company Address:			

Outfalls

Outfall	Outfall Type	Gated	Fixed Surcharged Level (m)	Level Curve
Outfall	Free Discharge			

Project:	Date: 08/04/2025			
	Designed by:	Checked by:	Approved By:	
	HenryWilkinson			
Report Title: Rainfall Analysis Criteria	Company Address:			

Runoff Type	Dynamic
Output Interval (mins)	2
Time Step	Shortest
Urban Creep	Apply Global Value
Urban Creep Global Value (%)	0
Junction Flood Risk Margin (mm)	0
Perform No Discharge Analysis	☐

Project:	Date: 08/04/2025		
	Designed by: HenryWilkinson	Checked by:	Approved By:
Report Details: Type: Inflows Summary Storm Phase: Storm	Company Address:		



Bury Council: 1 years: Increase Rainfall (%): +0: Critical Storm Per Item: Rank By: Max. Inflow

Inflow	Storm Event	Inflow Area (ha)	Max. Inflow (L/s)	Total Inflow Volume (m³)
I - 170m2	Bury Council: 1 years: +0 %: 15 mins: Summer	0.02	2.7	1.039
J - 114 m2	Bury Council: 1 years: +0 %: 15 mins: Summer	0.01	1.7	0.673
K - 1530m2	Bury Council: 1 years: +0 %: 15 mins: Summer	0.15	24.0	9.357
L & M - 612m2	Bury Council: 1 years: +0 %: 15 mins: Summer	0.06	9.4	3.670
Q - 600m2	Bury Council: 1 years: +0 %: 15 mins: Summer	0.06	9.4	3.670
r - 480m2	Bury Council: 1 years: +0 %: 15 mins: Summer	0.05	7.5	2.934
B - 1350m2	Bury Council: 1 years: +0 %: 15 mins: Summer	0.14	21.2	8.253
D - 955m2	Bury Council: 1 years: +0 %: 15 mins: Winter	0.10	12.6	5.485
E - 765m2	Bury Council: 1 years: +0 %: 15 mins: Summer	0.08	11.9	4.646
A - 2020m2	Bury Council: 1 years: +0 %: 15 mins: Summer	0.20	31.7	12.351
C - Sub catchment 2A - 430m2 -0.19 l/s	Bury Council: 1 years: +0 %: 15 mins: Summer	-	0.2	0.342
C- Sub catchment 2B 0.05 l/s	Bury Council: 1 years: +0 %: 15 mins: Summer	-	0.1	0.180
H - 940m2 - 0.1 l/s	Bury Council: 1 years: +0 %: 15 mins: Summer	-	0.1	0.180
H - 940m2 - 0.1 l/s	Bury Council: 1 years: +0 %: 15 mins: Summer	-	0.1	0.180
G - 175m2	Bury Council: 1 years: +0 %: 15 mins: Summer	0.02	2.7	1.039

Project:	Date: 08/04/2025		
	Designed by: HenryWilkinson	Checked by:	Approved By:
Report Details: Type: Inflows Summary Storm Phase: Storm		Company Address:	



N - 5920m2	Bury Council: 1 years: +0 %: 15 mins: Summer	0.59	92.5	36.093
O - 1800m2	Bury Council: 1 years: +0 %: 15 mins: Summer	0.18	28.0	10.909
P - 3200m2	Bury Council: 1 years: +0 %: 15 mins: Summer	0.32	50.1	19.544
F - 455m2	Bury Council: 1 years: +0 %: 15 mins: Summer	0.05	7.2	2.813

Project:	Date: 08/04/2025		
	Designed by: HenryWilkinson	Checked by:	Approved By:
Report Details: Type: Inflows Summary Storm Phase: Storm	Company Address:		



Bury Council: 2 years: Increase Rainfall (%): +0: Critical Storm Per Item: Rank By: Max. Inflow

Inflow	Storm Event	Inflow Area (ha)	Max. Inflow (L/s)	Total Inflow Volume (m³)
I - 170m2	Bury Council: 2 years: +0 %: 15 mins: Summer	0.02	3.4	1.345
J - 114 m2	Bury Council: 2 years: +0 %: 15 mins: Summer	0.01	2.2	0.870
K - 1530m2	Bury Council: 2 years: +0 %: 15 mins: Summer	0.15	31.0	12.107
L & M - 612m2	Bury Council: 2 years: +0 %: 15 mins: Summer	0.06	12.2	4.747
Q - 600m2	Bury Council: 2 years: +0 %: 15 mins: Summer	0.06	12.2	4.747
r - 480m2	Bury Council: 2 years: +0 %: 15 mins: Summer	0.05	9.7	3.799
B - 1350m2	Bury Council: 2 years: +0 %: 15 mins: Summer	0.14	27.4	10.682
D - 955m2	Bury Council: 2 years: +0 %: 15 mins: Winter	0.10	16.3	7.102
E - 765m2	Bury Council: 2 years: +0 %: 15 mins: Summer	0.08	15.4	6.012
A - 2020m2	Bury Council: 2 years: +0 %: 15 mins: Summer	0.20	41.0	15.984
C - Sub catchment 2A - 430m2 -0.19 l/s	Bury Council: 2 years: +0 %: 15 mins: Summer	-	0.2	0.342
C- Sub catchment 2B 0.05 l/s	Bury Council: 2 years: +0 %: 15 mins: Summer	-	0.1	0.180
H - 940m2 - 0.1 l/s	Bury Council: 2 years: +0 %: 15 mins: Summer	-	0.1	0.180
H - 940m2 - 0.1 l/s	Bury Council: 2 years: +0 %: 15 mins: Summer	-	0.1	0.180
G - 175m2	Bury Council: 2 years: +0 %: 15 mins: Summer	0.02	3.4	1.345

Project:	Date: 08/04/2025		
	Designed by: HenryWilkinson	Checked by:	Approved By:
Report Details: Type: Inflows Summary Storm Phase: Storm		Company Address:	



N - 5920m2	Bury Council: 2 years: +0 %: 15 mins: Summer	0.59	119.7	46.710
O - 1800m2	Bury Council: 2 years: +0 %: 15 mins: Summer	0.18	36.2	14.117
P - 3200m2	Bury Council: 2 years: +0 %: 15 mins: Summer	0.32	64.8	25.289
F - 455m2	Bury Council: 2 years: +0 %: 15 mins: Summer	0.05	9.3	3.640

Project:	Date: 08/04/2025		
	Designed by: HenryWilkinson	Checked by:	Approved By:
Report Details: Type: Inflows Summary Storm Phase: Storm	Company Address:		



Bury Council: 30 years: Increase Rainfall (%): +40: Critical Storm Per Item: Rank By: Max. Inflow

Inflow	Storm Event	Inflow Area (ha)	Max. Inflow (L/s)	Total Inflow Volume (m³)
I - 170m2	Bury Council: 30 years: +40 %: 15 mins: Summer	0.02	9.1	3.562
J - 114 m2	Bury Council: 30 years: +40 %: 15 mins: Summer	0.01	5.9	2.305
K - 1530m2	Bury Council: 30 years: +40 %: 15 mins: Summer	0.15	82.2	32.043
L & M - 612m2	Bury Council: 30 years: +40 %: 15 mins: Summer	0.06	32.2	12.565
Q - 600m2	Bury Council: 30 years: +40 %: 15 mins: Summer	0.06	32.2	12.565
r - 480m2	Bury Council: 30 years: +40 %: 15 mins: Summer	0.05	25.8	10.051
B - 1350m2	Bury Council: 30 years: +40 %: 15 mins: Summer	0.14	72.5	28.273
D - 955m2	Bury Council: 30 years: +40 %: 15 mins: Winter	0.10	43.0	18.788
E - 765m2	Bury Council: 30 years: +40 %: 15 mins: Summer	0.08	40.8	15.915
A - 2020m2	Bury Council: 30 years: +40 %: 15 mins: Summer	0.20	108.5	42.306
C - Sub catchment 2A - 430m2 -0.19 l/s	Bury Council: 30 years: +40 %: 15 mins: Summer	-	0.2	0.342
C- Sub catchment 2B 0.05 l/s	Bury Council: 30 years: +40 %: 15 mins: Summer	-	0.1	0.180
H - 940m2 - 0.1 l/s	Bury Council: 30 years: +40 %: 15 mins: Summer	-	0.1	0.180
H - 940m2 - 0.1 l/s	Bury Council: 30 years: +40 %: 15 mins: Summer	-	0.1	0.180
G - 175m2	Bury Council: 30 years: +40 %: 15 mins: Summer	0.02	9.1	3.562

Project:	Date: 08/04/2025		
	Designed by: HenryWilkinson	Checked by:	Approved By:
Report Details: Type: Inflows Summary Storm Phase: Storm		Company Address:	



N - 5920m2	Bury Council: 30 years: +40 %: 15 mins: Summer	0.59	317.0	123.623
O - 1800m2	Bury Council: 30 years: +40 %: 15 mins: Summer	0.18	95.8	37.360
P - 3200m2	Bury Council: 30 years: +40 %: 15 mins: Summer	0.32	171.6	66.937
F - 455m2	Bury Council: 30 years: +40 %: 15 mins: Summer	0.05	24.7	9.634

Project:	Date: 08/04/2025		
	Designed by: HenryWilkinson	Checked by:	Approved By:
Report Details: Type: Inflows Summary Storm Phase: Storm	Company Address:		



Bury Council: 100 years: Increase Rainfall (%): +45: Critical Storm Per Item: Rank By: Max. Inflow

Inflow	Storm Event	Inflow Area (ha)	Max. Inflow (L/s)	Total Inflow Volume (m³)
I - 170m2	Bury Council: 100 years: +45 %: 15 mins: Summer	0.02	12.2	4.763
J - 114 m2	Bury Council: 100 years: +45 %: 15 mins: Summer	0.01	7.9	3.082
K - 1530m2	Bury Council: 100 years: +45 %: 15 mins: Summer	0.15	109.9	42.869
L & M - 612m2	Bury Council: 100 years: +45 %: 15 mins: Summer	0.06	43.1	16.812
Q - 600m2	Bury Council: 100 years: +45 %: 15 mins: Summer	0.06	43.1	16.812
r - 480m2	Bury Council: 100 years: +45 %: 15 mins: Summer	0.05	34.5	13.450
B - 1350m2	Bury Council: 100 years: +45 %: 15 mins: Summer	0.14	97.0	37.824
D - 955m2	Bury Council: 100 years: +45 %: 15 mins: Winter	0.10	57.6	25.140
E - 765m2	Bury Council: 100 years: +45 %: 15 mins: Summer	0.08	54.6	21.295
A - 2020m2	Bury Council: 100 years: +45 %: 15 mins: Summer	0.20	145.1	56.599
C - Sub catchment 2A - 430m2 -0.19 l/s	Bury Council: 100 years: +45 %: 15 mins: Summer	-	0.2	0.342
C- Sub catchment 2B 0.05 l/s	Bury Council: 100 years: +45 %: 15 mins: Summer	-	0.1	0.180
H - 940m2 - 0.1 l/s	Bury Council: 100 years: +45 %: 15 mins: Summer	-	0.1	0.180
H - 940m2 - 0.1 l/s	Bury Council: 100 years: +45 %: 15 mins: Summer	-	0.1	0.180
G - 175m2	Bury Council: 100 years: +45 %: 15 mins: Summer	0.02	12.2	4.763

Project:	Date: 08/04/2025		
	Designed by: HenryWilkinson	Checked by:	Approved By:
Report Details: Type: Inflows Summary Storm Phase: Storm		Company Address:	



N - 5920m2	Bury Council: 100 years: +45 %: 15 mins: Summer	0.59	424.1	165.398
O - 1800m2	Bury Council: 100 years: +45 %: 15 mins: Summer	0.18	128.2	49.987
P - 3200m2	Bury Council: 100 years: +45 %: 15 mins: Summer	0.32	229.6	89.555
F - 455m2	Bury Council: 100 years: +45 %: 15 mins: Summer	0.05	33.0	12.889

Project:	Date: 08/04/2025		
	Designed by: HenryWilkinson	Checked by:	Approved By:
Report Details: Type: Junctions Summary Storm Phase: Storm	Company Address:		



Bury Council: 1 years: Increase Rainfall (%): +0: Critical Storm Per Item: Rank By: Max. Depth

Junction	Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
S1.00	Bury Council: 1 years: +0 %: 120 mins: Summer	74.389	73.189	73.750	0.561	15.0	0.802	0.000	14.9	33.458	Surcharged
S1.01	Bury Council: 1 years: +0 %: 120 mins: Summer	74.389	72.980	73.750	0.770	15.8	1.102	0.000	8.6	38.777	Surcharged
S1.02	Bury Council: 1 years: +0 %: 120 mins: Summer	74.389	72.848	73.750	0.902	9.1	1.291	0.000	5.1	45.492	Surcharged
S1.03	Bury Council: 1 years: +0 %: 120 mins: Summer	74.389	72.719	73.749	1.031	7.3	1.475	0.000	5.5	54.446	Surcharged
S2.00	Bury Council: 1 years: +0 %: 120 mins: Summer	74.300	73.329	73.749	0.420	1.3	0.067	0.000	1.2	2.438	Surcharged
S2.01	Bury Council: 1 years: +0 %: 120 mins: Summer	74.300	73.024	73.750	0.726	1.6	0.205	0.000	0.7	2.868	Surcharged
S1.04	Bury Council: 1 years: +0 %: 120 mins: Winter	74.014	72.635	72.674	0.039	5.5	0.056	0.000	5.5	54.941	OK
S1.05	Bury Council: 1 years: +0 %: 30 mins: Summer	73.604	71.896	71.935	0.039	5.7	0.044	0.000	5.7	16.933	OK
S1.06	Bury Council: 1 years: +0 %: 15 mins: Summer	71.773	70.923	70.971	0.048	5.7	0.014	0.000	5.7	7.712	OK
S1.07	Bury Council: 1 years: +0 %: 180 mins: Summer	71.150	70.300	70.337	0.037	5.7	0.011	0.000	5.7	77.055	OK
S1.08	Bury Council: 1 years: +0 %: 15 mins: Summer	70.380	68.940	69.063	0.123	39.7	0.139	0.000	37.0	21.733	OK
S3.00	Bury Council: 1 years: +0 %: 15 mins: Summer	74.441	73.335	73.369	0.034	2.7	0.010	0.000	2.6	1.039	OK
S3.01	Bury Council: 1 years: +0 %: 15 mins: Summer	74.440	73.066	73.110	0.044	4.3	0.013	0.000	4.2	1.711	OK
S3.02	Bury Council: 1 years: +0 %: 15 mins: Summer	74.250	72.892	72.935	0.044	4.2	0.012	0.000	4.0	1.712	OK
S3.03	Bury Council: 1 years: +0 %: 15 mins: Summer	74.275	72.505	72.540	0.036	4.0	0.010	0.000	3.8	1.699	OK
S3.04	Bury Council: 1 years: +0 %: 15 mins: Summer	74.040	72.285	72.397	0.112	27.8	0.127	0.000	27.3	11.058	OK
S3.05	Bury Council: 1 years: +0 %: 15 mins: Summer	74.270	72.185	72.251	0.066	27.3	0.075	0.000	26.9	11.049	OK
S3.06	Bury Council: 1 years: +0 %: 15 mins: Summer	74.350	70.560	70.660	0.100	36.3	0.113	0.000	35.5	14.712	OK
S3.07	Bury Council: 1 years: +0 %: 15 mins: Summer	71.075	70.200	70.293	0.093	35.5	0.105	0.000	34.5	14.739	OK
S1.09	Bury Council: 1 years: +0 %: 15 mins: Summer	70.100	68.546	68.676	0.129	37.0	0.146	0.000	38.8	21.444	OK

Project:		Date: 08/04/2025		
		Designed by: HenryWilkinson	Checked by:	Approved By:
Report Details: Type: Junctions Summary Storm Phase: Storm		Company Address:		



S4.00	Bury Council: 1 years: +0 %: 360 mins: Summer	70.480	69.730	69.755	0.025	1.2	0.004	0.000	1.2	34.805	OK
S4.01	Bury Council: 1 years: +0 %: 360 mins: Summer	70.100	69.160	69.191	0.031	1.7	0.005	0.000	1.7	48.915	OK
S4.02	Bury Council: 1 years: +0 %: 360 mins: Summer	70.200	68.591	68.623	0.031	1.7	0.005	0.000	1.7	48.811	OK
S5.02	Bury Council: 1 years: +0 %: 15 mins: Summer	70.600	67.140	67.228	0.088	16.6	0.126	0.000	16.4	6.597	OK
S5.00	Bury Council: 1 years: +0 %: 15 mins: Summer	70.400	69.012	69.081	0.069	9.4	0.020	0.000	9.3	3.669	OK
S5.01	Bury Council: 1 years: +0 %: 15 mins: Summer	70.500	68.847	68.889	0.042	9.3	0.012	0.000	9.2	3.667	OK
S6.00	Bury Council: 1 years: +0 %: 15 mins: Summer	70.600	68.748	68.795	0.047	7.5	0.007	0.000	7.4	2.933	OK
Outfall	Bury Council: 1 years: +0 %: 15 mins: Summer	70.160	65.540	65.747	0.208	49.7	0.000	0.000	49.7	27.380	OK
S1.13	Bury Council: 1 years: +0 %: 15 mins: Summer	70.341	65.581	66.416	0.835	50.2	1.475	0.000	49.7	27.474	Surcharged
S1.10	Bury Council: 1 years: +0 %: 15 mins: Summer	70.100	68.304	68.445	0.141	38.8	0.202	0.000	39.5	21.251	OK
S1.12	Bury Council: 1 years: +0 %: 15 mins: Summer	70.100	67.206	67.324	0.118	39.8	0.169	0.000	39.9	21.002	OK
S1.11	Bury Council: 1 years: +0 %: 15 mins: Summer	70.100	68.219	68.360	0.141	39.5	0.201	0.000	39.8	21.097	OK
S4.03	Bury Council: 1 years: +0 %: 360 mins: Summer	70.250	68.333	68.367	0.034	2.5	0.005	0.000	2.5	73.588	OK
S4.04	Bury Council: 1 years: +0 %: 360 mins: Summer	70.341	67.289	67.330	0.041	2.5	0.059	0.000	2.5	73.481	OK

Project:	Date: 08/04/2025		
	Designed by: HenryWilkinson	Checked by:	Approved By:
Report Details: Type: Junctions Summary Storm Phase: Storm	Company Address:		



Bury Council: 2 years: Increase Rainfall (%): +0: Critical Storm Per Item: Rank By: Max. Depth

Junction	Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
S1.00	Bury Council: 2 years: +0 %: 360 mins: Summer	74.389	73.189	73.863	0.674	9.4	0.964	0.000	9.2	84.309	Surcharged
S1.01	Bury Council: 2 years: +0 %: 360 mins: Summer	74.389	72.980	73.863	0.883	10.0	1.263	0.000	6.0	108.876	Surcharged
S1.02	Bury Council: 2 years: +0 %: 360 mins: Summer	74.389	72.848	73.863	1.015	6.6	1.452	0.000	5.5	129.438	Surcharged
S1.03	Bury Council: 2 years: +0 %: 360 mins: Summer	74.389	72.719	73.862	1.143	7.1	1.636	0.000	5.5	145.580	Surcharged
S2.00	Bury Council: 2 years: +0 %: 60 mins: Winter	74.300	73.329	73.865	0.536	2.8	0.085	0.000	2.4	2.456	Surcharged
S2.01	Bury Council: 2 years: +0 %: 360 mins: Summer	74.300	73.024	73.863	0.838	1.2	0.237	0.000	1.0	5.045	Surcharged
S1.04	Bury Council: 2 years: +0 %: 60 mins: Winter	74.014	72.635	72.674	0.039	5.5	0.056	0.000	5.5	31.606	OK
S1.05	Bury Council: 2 years: +0 %: 30 mins: Summer	73.604	71.896	71.935	0.039	5.7	0.044	0.000	5.7	15.671	OK
S1.06	Bury Council: 2 years: +0 %: 30 mins: Summer	71.773	70.923	70.971	0.048	5.7	0.014	0.000	5.7	15.493	OK
S1.07	Bury Council: 2 years: +0 %: 240 mins: Summer	71.150	70.300	70.337	0.037	5.7	0.011	0.000	5.7	124.427	OK
S1.08	Bury Council: 2 years: +0 %: 15 mins: Summer	70.380	68.940	69.083	0.143	50.5	0.161	0.000	46.6	25.713	OK
S3.00	Bury Council: 2 years: +0 %: 15 mins: Summer	74.441	73.335	73.374	0.039	3.4	0.011	0.000	3.4	1.345	OK
S3.01	Bury Council: 2 years: +0 %: 15 mins: Summer	74.440	73.066	73.116	0.050	5.6	0.014	0.000	5.4	2.214	OK
S3.02	Bury Council: 2 years: +0 %: 15 mins: Summer	74.250	72.892	72.942	0.050	5.4	0.014	0.000	5.2	2.215	OK
S3.03	Bury Council: 2 years: +0 %: 15 mins: Summer	74.275	72.505	72.545	0.041	5.2	0.012	0.000	5.0	2.201	OK
S3.04	Bury Council: 2 years: +0 %: 15 mins: Summer	74.040	72.285	72.414	0.129	36.0	0.146	0.000	35.5	14.309	OK
S3.05	Bury Council: 2 years: +0 %: 15 mins: Summer	74.270	72.185	72.261	0.076	35.5	0.086	0.000	35.0	14.300	OK
S3.06	Bury Council: 2 years: +0 %: 15 mins: Summer	74.350	70.560	70.677	0.117	47.2	0.132	0.000	46.3	19.041	OK
S3.07	Bury Council: 2 years: +0 %: 15 mins: Summer	71.075	70.200	70.307	0.107	46.3	0.121	0.000	45.0	19.068	OK
S1.09	Bury Council: 2 years: +0 %: 15 mins: Summer	70.100	68.546	68.695	0.148	46.6	0.167	0.000	48.5	25.435	OK

Project:	Date: 08/04/2025		
	Designed by: HenryWilkinson	Checked by:	Approved By:
Report Details: Type: Junctions Summary Storm Phase: Storm		Company Address:	



S4.00	Bury Council: 2 years: +0 %: 360 mins: Summer	70.480	69.730	69.757	0.027	1.5	0.004	0.000	1.5	42.962	OK
S4.01	Bury Council: 2 years: +0 %: 360 mins: Summer	70.100	69.160	69.194	0.034	2.0	0.005	0.000	2.0	58.556	OK
S4.02	Bury Council: 2 years: +0 %: 360 mins: Winter	70.200	68.591	68.625	0.034	2.0	0.005	0.000	2.0	58.416	OK
S5.02	Bury Council: 2 years: +0 %: 30 mins: Summer	70.600	67.140	67.688	0.548	18.5	0.784	0.000	18.5	11.467	Surcharged
S5.00	Bury Council: 2 years: +0 %: 15 mins: Summer	70.400	69.012	69.091	0.079	12.2	0.022	0.000	12.0	4.746	OK
S5.01	Bury Council: 2 years: +0 %: 15 mins: Summer	70.500	68.847	68.895	0.048	12.0	0.014	0.000	11.9	4.744	OK
S6.00	Bury Council: 2 years: +0 %: 15 mins: Summer	70.600	68.748	68.802	0.054	9.7	0.009	0.000	9.6	3.798	OK
Outfall	Bury Council: 2 years: +0 %: 60 mins: Summer	70.160	65.540	65.745	0.206	49.0	0.000	0.000	49.0	85.464	OK
S1.13	Bury Council: 2 years: +0 %: 30 mins: Summer	70.341	65.581	67.687	2.106	61.3	3.722	0.000	39.0	53.410	Surcharged
S1.10	Bury Council: 2 years: +0 %: 15 mins: Summer	70.100	68.304	68.468	0.163	48.5	0.234	0.000	49.6	25.248	OK
S1.12	Bury Council: 2 years: +0 %: 30 mins: Summer	70.100	67.206	67.697	0.491	45.3	0.703	0.000	42.8	39.778	Surcharged
S1.11	Bury Council: 2 years: +0 %: 15 mins: Summer	70.100	68.219	68.380	0.161	49.6	0.231	0.000	50.2	25.100	OK
S4.03	Bury Council: 2 years: +0 %: 360 mins: Winter	70.250	68.333	68.370	0.037	2.9	0.006	0.000	2.9	86.289	OK
S4.04	Bury Council: 2 years: +0 %: 30 mins: Summer	70.341	67.289	67.683	0.394	0.9	0.564	0.000	4.0	2.366	Surcharged

Project:	Date: 08/04/2025		
	Designed by: HenryWilkinson	Checked by:	Approved By:
Report Details: Type: Junctions Summary Storm Phase: Storm	Company Address:		



Bury Council: 30 years: Increase Rainfall (%): +40: Critical Storm Per Item: Rank By: Max. Depth

Junction	Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
S1.00	Bury Council: 30 years: +40 %: 360 mins: Winter	74.389	73.189	73.999	0.810	15.1	1.159	0.000	14.4	191.971	Surcharged
S1.01	Bury Council: 30 years: +40 %: 360 mins: Winter	74.389	72.980	73.999	1.019	14.4	1.458	0.000	7.3	226.689	Surcharged
S1.02	Bury Council: 30 years: +40 %: 360 mins: Winter	74.389	72.848	73.997	1.149	9.1	1.645	0.000	6.8	190.803	Surcharged
S1.03	Bury Council: 30 years: +40 %: 360 mins: Winter	74.389	72.719	73.997	1.278	9.2	1.829	0.000	5.5	207.732	Surcharged
S2.00	Bury Council: 30 years: +40 %: 15 mins: Summer	74.300	73.329	74.064	0.735	9.1	0.117	0.000	9.4	3.049	Surcharged
S2.01	Bury Council: 30 years: +40 %: 360 mins: Winter	74.300	73.024	73.998	0.973	2.4	0.275	0.000	2.8	10.740	Surcharged
S1.04	Bury Council: 30 years: +40 %: 30 mins: Winter	74.014	72.635	72.674	0.039	5.5	0.056	0.000	5.5	16.197	OK
S1.05	Bury Council: 30 years: +40 %: 60 mins: Winter	73.604	71.896	71.935	0.039	5.7	0.044	0.000	5.7	34.954	OK
S1.06	Bury Council: 30 years: +40 %: 15 mins: Winter	71.773	70.923	70.971	0.048	5.7	0.014	0.000	5.7	7.702	OK
S1.07	Bury Council: 30 years: +40 %: 180 mins: Winter	71.150	70.300	70.337	0.037	5.7	0.011	0.000	5.7	107.874	OK
S1.08	Bury Council: 30 years: +40 %: 30 mins: Summer	70.380	68.940	70.072	1.132	114.6	1.280	0.000	87.0	84.061	Surcharged
S3.00	Bury Council: 30 years: +40 %: 15 mins: Summer	74.441	73.335	73.398	0.063	9.1	0.018	0.000	9.0	3.563	OK
S3.01	Bury Council: 30 years: +40 %: 15 mins: Summer	74.440	73.066	73.151	0.086	14.9	0.024	0.000	14.5	5.867	OK
S3.02	Bury Council: 30 years: +40 %: 15 mins: Summer	74.250	72.892	72.975	0.084	14.5	0.024	0.000	14.1	5.869	OK
S3.03	Bury Council: 30 years: +40 %: 15 mins: Summer	74.275	72.505	72.573	0.068	14.1	0.019	0.000	13.7	5.851	OK
S3.04	Bury Council: 30 years: +40 %: 15 mins: Summer	74.040	72.285	72.516	0.231	95.9	0.262	0.000	94.9	37.897	OK
S3.05	Bury Council: 30 years: +40 %: 15 mins: Summer	74.270	72.185	72.313	0.128	94.9	0.145	0.000	94.1	37.890	OK
S3.06	Bury Council: 30 years: +40 %: 15 mins: Summer	74.350	70.560	70.784	0.224	126.3	0.253	0.000	124.1	50.444	OK
S3.07	Bury Council: 30 years: +40 %: 15 mins: Summer	71.075	70.200	70.393	0.193	124.1	0.218	0.000	121.9	49.957	OK
S1.09	Bury Council: 30 years: +40 %: 30 mins: Summer	70.100	68.546	69.883	1.337	87.0	1.512	0.000	83.0	84.080	Surcharged

Project:	Date: 08/04/2025		
	Designed by: HenryWilkinson	Checked by:	Approved By:
Report Details: Type: Junctions Summary Storm Phase: Storm		Company Address:	



S4.00	Bury Council: 30 years: +40 %: 30 mins: Summer	70.480	69.730	69.808	0.078	1.5	0.012	0.000	1.6	3.373	OK
S4.01	Bury Council: 30 years: +40 %: 30 mins: Summer	70.100	69.160	69.802	0.642	8.8	0.102	0.000	6.1	5.672	Surcharged
S4.02	Bury Council: 30 years: +40 %: 30 mins: Summer	70.200	68.591	69.784	1.193	13.3	0.190	0.000	7.2	8.499	Surcharged
S5.02	Bury Council: 30 years: +40 %: 30 mins: Summer	70.600	67.140	69.764	2.624	47.6	3.755	0.000	29.7	30.654	Surcharged
S5.00	Bury Council: 30 years: +40 %: 30 mins: Summer	70.400	69.012	69.768	0.756	27.5	0.214	0.000	27.5	17.023	Surcharged
S5.01	Bury Council: 30 years: +40 %: 30 mins: Summer	70.500	68.847	69.766	0.919	27.5	0.260	0.000	26.2	16.908	Surcharged
S6.00	Bury Council: 30 years: +40 %: 30 mins: Summer	70.600	68.748	69.774	1.026	22.0	0.163	0.000	21.4	13.534	Surcharged
Outfall	Bury Council: 30 years: +40 %: 30 mins: Summer	70.160	65.540	65.767	0.228	55.5	0.000	0.000	55.5	120.421	OK
S1.13	Bury Council: 30 years: +40 %: 30 mins: Summer	70.341	65.581	69.763	4.182	83.2	7.389	0.000	55.5	129.876	Surcharged
S1.10	Bury Council: 30 years: +40 %: 30 mins: Summer	70.100	68.304	69.826	1.522	83.0	2.177	0.000	78.1	84.044	Surcharged
S1.12	Bury Council: 30 years: +40 %: 30 mins: Summer	70.100	67.206	69.774	2.568	73.0	3.675	0.000	67.8	83.747	Surcharged
S1.11	Bury Council: 30 years: +40 %: 30 mins: Summer	70.100	68.219	69.799	1.580	78.1	2.261	0.000	73.0	83.745	Surcharged
S4.03	Bury Council: 30 years: +40 %: 30 mins: Summer	70.250	68.333	69.770	1.436	17.5	0.228	0.000	9.8	14.539	Surcharged
S4.04	Bury Council: 30 years: +40 %: 30 mins: Summer	70.341	67.289	69.766	2.477	23.5	3.544	0.000	13.4	20.720	Surcharged

Project:	Date: 08/04/2025		
	Designed by: HenryWilkinson	Checked by:	Approved By:
Report Details: Type: Junctions Summary Storm Phase: Storm	Company Address:		



Bury Council: 100 years: Increase Rainfall (%): +45: Critical Storm Per Item: Rank By: Max. Depth

Junction	Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
S1.00	Bury Council: 100 years: +45 %: 360 mins: Winter	74.389	73.189	74.061	0.872	20.2	1.248	0.000	18.2	257.656	Surcharged
S1.01	Bury Council: 100 years: +45 %: 360 mins: Winter	74.389	72.980	74.060	1.080	18.2	1.546	0.000	7.3	273.247	Surcharged
S1.02	Bury Council: 100 years: +45 %: 360 mins: Winter	74.389	72.848	74.060	1.211	9.1	1.734	0.000	6.8	199.676	Surcharged
S1.03	Bury Council: 100 years: +45 %: 360 mins: Winter	74.389	72.719	74.059	1.340	9.2	1.917	0.000	5.5	218.640	Surcharged
S2.00	Bury Council: 100 years: +45 %: 15 mins: Summer	74.300	73.329	74.169	0.840	14.8	0.134	0.000	11.4	4.215	Surcharged
S2.01	Bury Council: 100 years: +45 %: 360 mins: Winter	74.300	73.024	74.061	1.036	2.4	0.293	0.000	3.0	14.833	Surcharged
S1.04	Bury Council: 100 years: +45 %: 360 mins: Winter	74.014	72.635	72.674	0.039	5.5	0.056	0.000	5.5	214.167	OK
S1.05	Bury Council: 100 years: +45 %: 30 mins: Summer	73.604	71.896	71.935	0.039	5.7	0.044	0.000	5.7	17.284	OK
S1.06	Bury Council: 100 years: +45 %: 30 mins: Summer	71.773	70.923	70.971	0.048	5.7	0.014	0.000	5.7	17.112	OK
S1.07	Bury Council: 100 years: +45 %: 30 mins: Winter	71.150	70.300	70.416	0.116	5.7	0.033	0.000	6.7	16.963	OK
S1.08	Bury Council: 100 years: +45 %: 30 mins: Summer	70.380	68.940	70.385	1.445	132.9	7.063	5.435	110.6	108.647	Flood
S3.00	Bury Council: 100 years: +45 %: 15 mins: Summer	74.441	73.335	73.409	0.074	12.2	0.021	0.000	12.0	4.764	OK
S3.01	Bury Council: 100 years: +45 %: 15 mins: Summer	74.440	73.066	73.167	0.102	19.9	0.029	0.000	19.5	7.846	OK
S3.02	Bury Council: 100 years: +45 %: 15 mins: Summer	74.250	72.892	72.990	0.098	19.5	0.028	0.000	19.1	7.849	OK
S3.03	Bury Council: 100 years: +45 %: 15 mins: Summer	74.275	72.505	72.597	0.092	19.1	0.026	0.000	14.9	7.832	OK
S3.04	Bury Council: 100 years: +45 %: 15 mins: Summer	74.040	72.285	72.583	0.298	124.6	0.337	0.000	122.4	50.699	OK
S3.05	Bury Council: 100 years: +45 %: 15 mins: Summer	74.270	72.185	72.334	0.149	122.4	0.169	0.000	122.7	50.567	OK
S3.06	Bury Council: 100 years: +45 %: 30 mins: Summer	74.350	70.560	71.468	0.908	149.2	1.027	0.000	149.1	92.272	Surcharged
S3.07	Bury Council: 100 years: +45 %: 15 mins: Summer	71.075	70.200	71.077	0.877	144.3	2.575	1.585	125.5	66.779	Flood
S1.09	Bury Council: 100 years: +45 %: 60 mins: Summer	70.100	68.546	70.122	1.575	99.0	22.879	21.121	94.0	155.683	Flood

Project:		Date: 08/04/2025		
		Designed by: HenryWilkinson	Checked by:	Approved By:
Report Details: Type: Junctions Summary Storm Phase: Storm		Company Address:		



S4.00	Bury Council: 100 years: +45 %: 30 mins: Winter	70.480	69.730	70.132	0.402	5.5	0.064	0.000	4.6	4.757	Surcharged
S4.01	Bury Council: 100 years: +45 %: 60 mins: Summer	70.100	69.160	70.100	0.940	9.1	0.376	0.227	7.2	17.006	Flood
S4.02	Bury Council: 100 years: +45 %: 30 mins: Winter	70.200	68.591	70.087	1.496	11.1	0.238	0.000	10.0	11.489	Surcharged
S5.02	Bury Council: 100 years: +45 %: 60 mins: Summer	70.600	67.140	70.083	2.943	43.0	4.211	0.000	37.2	54.182	Surcharged
S5.00	Bury Council: 100 years: +45 %: 60 mins: Summer	70.400	69.012	70.128	1.116	29.5	0.316	0.000	25.4	30.081	Surcharged
S5.01	Bury Council: 100 years: +45 %: 60 mins: Summer	70.500	68.847	70.103	1.256	25.4	0.355	0.000	25.2	29.990	Surcharged
S6.00	Bury Council: 100 years: +45 %: 60 mins: Summer	70.600	68.748	70.189	1.441	23.6	0.229	0.000	17.9	24.010	Surcharged
Outfall	Bury Council: 100 years: +45 %: 60 mins: Summer	70.160	65.540	65.775	0.235	57.5	0.000	0.000	57.5	230.317	OK
S1.13	Bury Council: 100 years: +45 %: 60 mins: Summer	70.341	65.581	70.072	4.491	87.5	7.936	0.000	57.5	241.075	Surcharged
S1.10	Bury Council: 100 years: +45 %: 60 mins: Summer	70.100	68.304	70.095	1.791	94.0	2.562	0.000	85.9	155.602	Surcharged
S1.12	Bury Council: 100 years: +45 %: 60 mins: Summer	70.100	67.206	70.078	2.872	77.2	4.110	0.000	68.1	155.301	Surcharged
S1.11	Bury Council: 100 years: +45 %: 60 mins: Summer	70.100	68.219	70.086	1.867	85.9	2.672	0.000	77.2	155.320	Surcharged
S4.03	Bury Council: 100 years: +45 %: 60 mins: Summer	70.250	68.333	70.080	1.747	20.0	0.278	0.000	11.5	31.207	Surcharged
S4.04	Bury Council: 100 years: +45 %: 60 mins: Summer	70.341	67.289	70.075	2.786	25.0	3.987	0.000	14.1	37.850	Surcharged

Project:	Date: 08/04/2025		
	Designed by: HenryWilkinson	Checked by:	Approved By:
Report Details: Type: Stormwater Controls Summary Storm Phase: Storm	Company Address:		





Bury Council: 1 years: Increase Rainfall (%): +0: Critical Storm Per Item: Rank
By: Max. Avg. Depth

Stormwater Control	Storm Event	Max. US Level (m)	Max. DS Level (m)	Max. US Depth (m)	Max. DS Depth (m)	Max. Inflow (L/s)	Max. Residual Volume (m³)	Max. Flooded Volume (m³)	Total Lost Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Percentage Available (%)	Status
Permeable Carpark 1	Bury Council: 1 years: +0 %: 360 mins: Winter	73.984	73.861	0.077	0.008	3.5	26.871	0.000	0.000	1.7	27.189	83.503	OK
Permeable Carpark 2	Bury Council: 1 years: +0 %: 360 mins: Winter	73.873	73.804	0.029	0.006	2.3	11.895	0.000	0.000	1.0	17.467	90.163	OK
Permeable Carpark 3	Bury Council: 1 years: +0 %: 360 mins: Summer	73.873	73.807	0.028	0.006	2.9	8.015	0.000	0.000	1.2	13.964	90.020	OK
Permeable Pitch 1	Bury Council: 1 years: +0 %: 360 mins: Winter	70.624	70.610	0.025	0.059	14.5	113.881	0.000	0.000	1.2	34.785	80.957	OK
Permeable Pitch 2	Bury Council: 1 years: +0 %: 360 mins: Winter	70.473	70.469	0.015	0.062	4.4	32.479	0.000	0.000	0.5	14.275	82.046	OK
Permeable Pitch 3	Bury Council: 1 years: +0 %: 360 mins: Winter	70.359	70.342	0.018	0.068	7.8	59.092	0.000	0.000	0.8	24.922	81.665	OK

Project:	Date: 08/04/2025		
	Designed by: HenryWilkinson	Checked by:	Approved By:
Report Details: Type: Stormwater Controls Summary Storm Phase: Storm	Company Address:		





Bury Council: 2 years: Increase Rainfall (%): +0: Critical Storm Per Item: Rank
By: Max. Avg. Depth

Stormwater Control	Storm Event	Max. US Level (m)	Max. DS Level (m)	Max. US Depth (m)	Max. DS Depth (m)	Max. Inflow (L/s)	Max. Residual Volume (m³)	Max. Flooded Volume (m³)	Total Lost Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Percentage Available (%)	Status
Permeable Carpark 1	Bury Council: 2 years: +0 %: 360 mins: Summer	74.004	73.864	0.098	0.011	6.4	31.078	0.000	0.000	2.2	33.023	80.920	OK
Permeable Carpark 2	Bury Council: 2 years: +0 %: 360 mins: Summer	73.876	73.863	0.032	0.065	11.2	18.648	0.000	0.000	11.0	65.095	84.577	OK
Permeable Carpark 3	Bury Council: 2 years: +0 %: 240 mins: Summer	73.878	73.861	0.033	0.060	9.1	11.867	0.000	0.000	7.8	47.431	85.224	OK
Permeable Pitch 1	Bury Council: 2 years: +0 %: 360 mins: Winter	70.628	70.619	0.029	0.068	17.5	137.063	0.000	0.000	1.5	42.938	77.081	OK
Permeable Pitch 2	Bury Council: 2 years: +0 %: 360 mins: Winter	70.477	70.477	0.018	0.070	5.3	39.745	0.000	0.000	0.5	15.799	78.029	OK
Permeable Pitch 3	Bury Council: 2 years: +0 %: 360 mins: Winter	70.361	70.352	0.021	0.078	9.5	71.935	0.000	0.000	0.9	28.048	77.680	OK

Project:	Date: 08/04/2025		
	Designed by: HenryWilkinson	Checked by:	Approved By:
Report Details: Type: Stormwater Controls Summary Storm Phase: Storm	Company Address:		





Bury Council: 30 years: Increase Rainfall (%): +40: Critical Storm Per Item: Rank
By: Max. Avg. Depth

Stormwater Control	Storm Event	Max. US Level (m)	Max. DS Level (m)	Max. US Depth (m)	Max. DS Depth (m)	Max. Inflow (L/s)	Max. Residual Volume (m³)	Max. Flooded Volume (m³)	Total Lost Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Percentage Available (%)	Status
Permeable Carpark 1	Bury Council: 30 years: +40 %: 240 mins: Summer	74.116	73.977	0.210	0.124	32.8	78.581	0.000	0.000	28.9	134.090	51.755	OK
Permeable Carpark 2	Bury Council: 30 years: +40 %: 360 mins: Winter	73.996	73.996	0.152	0.198	38.6	72.756	0.000	0.000	44.3	49.654	39.827	OK
Permeable Carpark 3	Bury Council: 30 years: +40 %: 360 mins: Winter	73.998	73.998	0.153	0.197	28.5	48.122	0.000	0.000	24.2	32.714	40.081	OK
Permeable Pitch 1	Bury Council: 30 years: +40 %: 360 mins: Winter	70.693	70.692	0.093	0.141	44.2	349.100	0.000	0.000	2.5	80.374	41.624	OK
Permeable Pitch 2	Bury Council: 30 years: +40 %: 360 mins: Winter	70.549	70.550	0.091	0.143	13.4	104.458	0.000	0.000	0.8	25.492	42.256	OK
Permeable Pitch 3	Bury Council: 30 years: +40 %: 360 mins: Winter	70.425	70.424	0.085	0.150	23.9	187.598	0.000	0.000	1.4	45.708	41.792	OK

Project:	Date: 08/04/2025		
	Designed by: HenryWilkinson	Checked by:	Approved By:
Report Details: Type: Stormwater Controls Summary Storm Phase: Storm	Company Address:		





Bury Council: 100 years: Increase Rainfall (%): +45: Critical Storm Per Item: Rank By: Max. Avg. Depth

Stormwater Control	Storm Event	Max. US Level (m)	Max. DS Level (m)	Max. US Depth (m)	Max. DS Depth (m)	Max. Inflow (L/s)	Max. Residual Volume (m³)	Max. Flooded Volume (m³)	Total Lost Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Percentage Available (%)	Status
Permeable Carpark 1	Bury Council: 100 years: +45 %: 60 mins: Summer	74.381	74.033	0.475	0.180	126.3	91.262	3.706	0.000	24.6	38.038	43.970	Flood
Permeable Carpark 2	Bury Council: 100 years: +45 %: 360 mins: Winter	74.059	74.059	0.215	0.261	62.7	98.919	0.000	0.000	48.6	279.429	18.189	OK
Permeable Carpark 3	Bury Council: 100 years: +45 %: 360 mins: Winter	74.059	74.059	0.214	0.258	44.4	65.107	0.000	0.000	54.2	243.025	18.931	OK
Permeable Pitch 1	Bury Council: 100 years: +45 %: 360 mins: Winter	70.734	70.733	0.134	0.182	59.2	470.828	0.000	0.000	2.9	95.587	21.269	OK
Permeable Pitch 2	Bury Council: 100 years: +45 %: 360 mins: Winter	70.591	70.591	0.132	0.184	17.9	141.386	0.000	0.000	0.9	29.673	21.843	OK
Permeable Pitch 3	Bury Council: 100 years: +45 %: 360 mins: Winter	70.466	70.466	0.126	0.192	32.0	253.703	0.000	0.000	1.6	53.229	21.280	OK

Project:	Date: 08/04/2025		
	Designed by: HenryWilkinson	Checked by:	Approved By:
Report Details: Type: Connections Summary Storm Phase: Storm	Company Address:		





Bury Council: 1 years: Increase Rainfall (%): +0: Critical Storm Per Item: Rank By: Max. Flow

Connection	Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
S1.000	Bury Council: 1 years: +0 %: 15 mins: Summer	Pipe	S1.00	S1.01	74.389	73.344	0.258	12.323	1.0	0.22	31.1	OK
S1.001	Bury Council: 1 years: +0 %: 15 mins: Winter	Pipe	S1.01	S1.02	74.389	73.344	0.375	10.145	0.8	0.13	18.8	OK
S1.002	Bury Council: 1 years: +0 %: 15 mins: Summer	Pipe	S1.02	S1.03	74.389	73.338	0.375	7.139	0.3	0.04	6.1	Surcharged
S2.000	Bury Council: 1 years: +0 %: 15 mins: Summer	Pipe	S2.00	S2.01	74.300	73.368	0.150	1.029	0.7	0.15	2.7	OK
S2.001	Bury Council: 1 years: +0 %: 30 mins: Summer	Pipe	S2.01	S1.03	74.300	73.499	0.150	1.000	0.1	0.08	1.7	Surcharged
S1.003	Bury Council: 1 years: +0 %: 30 mins: Summer	Pipe	S1.03	S1.04	74.389	73.500	0.045	16.460	0.7	0.04	5.5	Surcharged
S1.004	Bury Council: 1 years: +0 %: 15 mins: Winter	Pipe	S1.04	S1.05	74.014	72.674	0.039	7.688	1.5	0.14	5.5	OK
S1.005	Bury Council: 1 years: +0 %: 60 mins: Winter	Pipe	S1.05	S1.06	73.604	71.935	0.043	34.481	1.3	0.15	5.7	OK
S1.006	Bury Council: 1 years: +0 %: 15 mins: Summer	Pipe	S1.06	S1.07	71.773	70.971	0.043	7.712	1.1	0.09	5.7	OK
S1.007	Bury Council: 1 years: +0 %: 15 mins: Summer	Pipe	S1.07	S1.08	71.150	70.337	0.079	7.501	1.1	0.06	5.7	OK
S3.000	Bury Council: 1 years: +0 %: 15 mins: Summer	Pipe	S3.00	S3.01	74.441	73.369	0.039	1.039	0.6	0.05	2.6	OK
S3.001	Bury Council: 1 years: +0 %: 15 mins: Summer	Pipe	S3.01	S3.02	74.440	73.110	0.044	1.711	0.8	0.08	4.2	OK
S3.002	Bury Council: 1 years: +0 %: 15 mins: Summer	Pipe	S3.02	S3.03	74.250	72.935	0.040	1.712	0.8	0.08	4.0	OK
S3.003	Bury Council: 1 years: +0 %: 15 mins: Summer	Pipe	S3.03	S3.04	74.275	72.540	0.074	1.699	0.4	0.06	3.8	OK

Project:	Date: 08/04/2025			
	Designed by: HenryWilkinson	Checked by:	Approved By:	
Report Details: Type: Connections Summary Storm Phase: Storm	Company Address:			

S3.004	Bury Council: 1 years: +0 %: 15 mins: Summer	Pipe	S3.04	S3.05	74.040	72.397	0.089	11.058	1.5	0.27	27.3	OK
S3.005	Bury Council: 1 years: +0 %: 15 mins: Summer	Pipe	S3.05	S3.06	74.270	72.251	0.083	11.049	1.7	0.11	26.9	OK
S3.006	Bury Council: 1 years: +0 %: 15 mins: Summer	Pipe	S3.06	S3.07	74.350	70.660	0.097	14.712	1.8	0.21	35.5	OK
S3.007	Bury Council: 1 years: +0 %: 15 mins: Summer	Pipe	S3.07	S1.08	71.075	70.293	0.108	14.739	1.5	0.21	34.5	OK
S4.000	Bury Council: 1 years: +0 %: 360 mins: Summer	Pipe	S4.00	S4.01	70.480	69.755	0.028	34.805	0.5	0.06	1.2	OK
S4.001	Bury Council: 1 years: +0 %: 360 mins: Summer	Pipe	S4.01	S4.02	70.100	69.191	0.031	48.915	0.6	0.09	1.7	OK
S5.000	Bury Council: 1 years: +0 %: 15 mins: Summer	Pipe	S5.00	S5.01	70.400	69.081	0.055	3.669	1.2	0.18	9.3	OK
S5.001	Bury Council: 1 years: +0 %: 15 mins: Summer	Pipe	S5.01	S5.02	70.500	68.889	0.041	3.667	1.8	0.07	9.2	OK
S6.000	Bury Council: 1 years: +0 %: 15 mins: Summer	Pipe	S6.00	S5.02	70.600	68.795	0.046	2.933	1.6	0.2	7.4	OK
S5.002	Bury Council: 1 years: +0 %: 15 mins: Summer	Pipe	S5.02	S1.13	70.600	67.228	0.084	6.597	1.0	0.16	16.4	OK
S1.013	Bury Council: 1 years: +0 %: 15 mins: Summer	Pipe	S1.13	Outfall	70.341	66.416	0.219	27.380	0.9	0.83	49.7	Surchar ged
S1.009	Bury Council: 1 years: +0 %: 15 mins: Summer	Pipe	S1.09	S1.10	70.100	68.676	0.135	21.444	1.3	0.35	38.8	OK
S1.012	Bury Council: 1 years: +0 %: 15 mins: Summer	Pipe	S1.12	S1.13	70.100	67.324	0.110	21.002	1.7	0.25	39.9	OK
S1.010	Bury Council: 1 years: +0 %: 15 mins: Summer	Pipe	S1.10	S1.11	70.100	68.445	0.141	21.251	1.2	0.34	39.5	OK
S1.011	Bury Council: 1 years: +0 %: 15 mins: Summer	Pipe	S1.11	S1.12	70.100	68.360	0.132	21.097	1.3	0.36	39.8	OK
S4.002	Bury Council: 1 years: +0 %: 360 mins: Summer	Pipe	S4.02	S4.03	70.200	68.623	0.033	48.811	0.6	0.09	1.7	OK
S4.003	Bury Council: 1 years: +0 %: 360 mins: Summer	Pipe	S4.03	S4.04	70.250	68.367	0.034	73.588	0.7	0.05	2.5	OK

Project:				Date: 08/04/2025							
				Designed by: HenryWilkinson		Checked by:					
Report Details: Type: Connections Summary Storm Phase: Storm				Company Address:							

S4.004	Bury Council: 1 years: +0 %: 360 mins: Summer	Pipe	S4.04	S1.13	70.341	67.330	0.041	73.481	0.5	0.07	2.5	OK
Formavoid Connection 1	Bury Council: 1 years: +0 %: 360 mins: Winter	Pipe	Permea ble Carpark 1	S1.00	74.366	73.901	0.037	27.186	1.0	0	1.7	OK
Formavoid Connection 2	Bury Council: 1 years: +0 %: 30 mins: Winter	Pipe	Permea ble Carpark 2	S1.01	74.304	73.813	0.267	1.623	0.1	0	1.4	OK
Formavoid Connection 3	Bury Council: 1 years: +0 %: 30 mins: Summer	Pipe	Permea ble Carpark 3	S1.02	74.305	73.819	0.300	1.552	0.1	0	1.6	OK
S1.008	Bury Council: 1 years: +0 %: 15 mins: Summer	Pipe	S1.08	S1.09	70.380	69.063	0.125	21.733	1.3	0.33	37.0	OK
Pitch 1 Outlet	Bury Council: 1 years: +0 %: 360 mins: Summer	Pipe	Permea ble Pitch 1	S4.00	70.877	70.589	0.017	34.846	1.4	0.02	1.2	OK
Pitch 2 Outlet	Bury Council: 1 years: +0 %: 360 mins: Winter	Pipe	Permea ble Pitch 2	S4.01	70.736	70.443	0.020	14.266	0.5	0.01	0.5	OK
Pipe (2)	Bury Council: 1 years: +0 %: 360 mins: Winter	Pipe	Permea ble Pitch 3	S4.03	70.617	70.311	0.025	24.896	0.5	0.05	0.8	OK

Project:	Date: 08/04/2025		
	Designed by: HenryWilkinson	Checked by:	Approved By:
Report Details: Type: Connections Summary Storm Phase: Storm	Company Address:		



Bury Council: 2 years: Increase Rainfall (%): +0: Critical Storm Per Item: Rank By: Max. Flow

Connection	Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
S1.000	Bury Council: 2 years: +0 %: 15 mins: Summer	Pipe	S1.00	S1.01	74.389	73.690	0.375	13.862	1.0	0.28	40.8	Surcharged
S1.001	Bury Council: 2 years: +0 %: 15 mins: Winter	Pipe	S1.01	S1.02	74.389	73.706	0.375	9.881	0.8	0.18	25.6	Surcharged
S1.002	Bury Council: 2 years: +0 %: 30 mins: Summer	Pipe	S1.02	S1.03	74.389	73.830	0.375	12.843	0.3	0.08	11.2	Surcharged
S2.000	Bury Council: 2 years: +0 %: 15 mins: Summer	Pipe	S2.00	S2.01	74.300	73.692	0.150	1.177	0.8	0.19	3.4	Surcharged
S2.001	Bury Council: 2 years: +0 %: 30 mins: Summer	Pipe	S2.01	S1.03	74.300	73.838	0.150	0.646	0.2	0.16	3.6	Surcharged
S1.003	Bury Council: 2 years: +0 %: 15 mins: Summer	Pipe	S1.03	S1.04	74.389	73.693	0.045	7.404	0.7	0.04	5.5	Surcharged
S1.004	Bury Council: 2 years: +0 %: 60 mins: Winter	Pipe	S1.04	S1.05	74.014	72.674	0.039	31.606	1.5	0.14	5.5	OK
S1.005	Bury Council: 2 years: +0 %: 30 mins: Summer	Pipe	S1.05	S1.06	73.604	71.935	0.043	15.671	1.3	0.15	5.7	OK
S1.006	Bury Council: 2 years: +0 %: 240 mins: Winter	Pipe	S1.06	S1.07	71.773	70.971	0.043	125.251	1.1	0.09	5.7	OK
S1.007	Bury Council: 2 years: +0 %: 60 mins: Summer	Pipe	S1.07	S1.08	71.150	70.337	0.079	32.568	1.1	0.06	5.7	OK
S3.000	Bury Council: 2 years: +0 %: 15 mins: Summer	Pipe	S3.00	S3.01	74.441	73.374	0.045	1.345	0.6	0.06	3.4	OK
S3.001	Bury Council: 2 years: +0 %: 15 mins: Summer	Pipe	S3.01	S3.02	74.440	73.116	0.050	2.214	0.8	0.1	5.4	OK
S3.002	Bury Council: 2 years: +0 %: 15 mins: Summer	Pipe	S3.02	S3.03	74.250	72.942	0.045	2.215	0.9	0.1	5.2	OK
S3.003	Bury Council: 2 years: +0 %: 15 mins: Summer	Pipe	S3.03	S3.04	74.275	72.545	0.085	2.201	0.4	0.08	5.0	OK

Project:				Date: 08/04/2025								
				Designed by: HenryWilkinson	Checked by:	Approved By:						
Report Details: Type: Connections Summary Storm Phase: Storm				Company Address:								

S3.004	Bury Council: 2 years: +0 %: 15 mins: Summer	Pipe	S3.04	S3.05	74.040	72.414	0.102	14.309	1.7	0.35	35.5	OK
S3.005	Bury Council: 2 years: +0 %: 15 mins: Summer	Pipe	S3.05	S3.06	74.270	72.261	0.096	14.300	1.8	0.14	35.0	OK
S3.006	Bury Council: 2 years: +0 %: 15 mins: Summer	Pipe	S3.06	S3.07	74.350	70.677	0.112	19.041	1.9	0.28	46.3	OK
S3.007	Bury Council: 2 years: +0 %: 15 mins: Summer	Pipe	S3.07	S1.08	71.075	70.307	0.125	19.068	1.6	0.27	45.0	OK
S4.000	Bury Council: 2 years: +0 %: 360 mins: Summer	Pipe	S4.00	S4.01	70.480	69.757	0.030	42.962	0.6	0.07	1.5	OK
S4.001	Bury Council: 2 years: +0 %: 360 mins: Summer	Pipe	S4.01	S4.02	70.100	69.194	0.034	58.556	0.7	0.11	2.0	OK
S5.000	Bury Council: 2 years: +0 %: 15 mins: Summer	Pipe	S5.00	S5.01	70.400	69.091	0.063	4.746	1.3	0.23	12.0	OK
S5.001	Bury Council: 2 years: +0 %: 15 mins: Summer	Pipe	S5.01	S5.02	70.500	68.895	0.047	4.744	2.0	0.09	11.9	OK
S6.000	Bury Council: 2 years: +0 %: 15 mins: Summer	Pipe	S6.00	S5.02	70.600	68.802	0.053	3.798	1.7	0.25	9.6	OK
S5.002	Bury Council: 2 years: +0 %: 15 mins: Summer	Pipe	S5.02	S1.13	70.600	67.675	0.300	8.500	1.1	0.2	21.3	Surcharged
S1.013	Bury Council: 2 years: +0 %: 60 mins: Summer	Pipe	S1.13	Outfall	70.341	66.390	0.217	85.464	0.9	0.82	49.0	Surcharged
S1.009	Bury Council: 2 years: +0 %: 15 mins: Summer	Pipe	S1.09	S1.10	70.100	68.695	0.156	25.435	1.3	0.44	48.5	OK
S1.012	Bury Council: 2 years: +0 %: 15 mins: Winter	Pipe	S1.12	S1.13	70.100	67.576	0.300	24.975	1.7	0.3	47.7	Surcharged
S1.010	Bury Council: 2 years: +0 %: 15 mins: Summer	Pipe	S1.10	S1.11	70.100	68.468	0.162	25.248	1.3	0.43	49.6	OK
S1.011	Bury Council: 2 years: +0 %: 15 mins: Summer	Pipe	S1.11	S1.12	70.100	68.380	0.151	25.100	1.4	0.45	50.2	OK
S4.002	Bury Council: 2 years: +0 %: 360 mins: Winter	Pipe	S4.02	S4.03	70.200	68.625	0.035	58.416	0.6	0.11	2.0	OK
S4.003	Bury Council: 2 years: +0 %: 360 mins: Winter	Pipe	S4.03	S4.04	70.250	68.370	0.036	86.289	0.7	0.06	2.9	OK

Project:				Date: 08/04/2025											
				Designed by: HenryWilkinson	Checked by:	Approved By:									
Report Details: Type: Connections Summary Storm Phase: Storm				Company Address:											

S4.004	Bury Council: 2 years: +0 %: 30 mins: Summer	Pipe	S4.04	S1.13	70.341	67.683	0.225	1.548	0.4	0.11	4.0	Surcharged
Formavoid Connection 1	Bury Council: 2 years: +0 %: 360 mins: Winter	Pipe	Permeable Carpark 1	S1.00	74.366	73.908	0.300	32.988	0.9	0	2.2	OK
Formavoid Connection 2	Bury Council: 2 years: +0 %: 60 mins: Winter	Pipe	Permeable Carpark 2	S1.01	74.304	73.833	0.300	4.216	0.1	0	3.0	OK
Formavoid Connection 3	Bury Council: 2 years: +0 %: 60 mins: Winter	Pipe	Permeable Carpark 3	S1.02	74.305	73.838	0.300	5.577	0.1	0	2.9	OK
S1.008	Bury Council: 2 years: +0 %: 15 mins: Summer	Pipe	S1.08	S1.09	70.380	69.083	0.143	25.713	1.4	0.42	46.6	OK
Pitch 1 Outlet	Bury Council: 2 years: +0 %: 360 mins: Summer	Pipe	Permeable Pitch 1	S4.00	70.877	70.597	0.019	43.008	1.4	0.03	1.5	OK
Pitch 2 Outlet	Bury Council: 2 years: +0 %: 360 mins: Winter	Pipe	Permeable Pitch 2	S4.01	70.736	70.451	0.021	15.790	0.5	0.01	0.5	OK
Pipe (2)	Bury Council: 2 years: +0 %: 360 mins: Winter	Pipe	Permeable Pitch 3	S4.03	70.617	70.319	0.027	28.021	0.6	0.06	0.9	OK

Project:	Date: 08/04/2025		
	Designed by: HenryWilkinson	Checked by:	Approved By:
Report Details: Type: Connections Summary Storm Phase: Storm	Company Address:		





Bury Council: 30 years: Increase Rainfall (%): +40: Critical Storm Per Item: Rank By: Max. Flow

Connection	Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
S1.000	Bury Council: 30 years: +40 %: 15 mins: Summer	Pipe	S1.00	S1.01	74.389	73.955	0.375	33.551	1.0	0.43	61.9	Surcharged
S1.001	Bury Council: 30 years: +40 %: 15 mins: Winter	Pipe	S1.01	S1.02	74.389	73.934	0.375	14.137	0.9	0.24	34.3	Surcharged
S1.002	Bury Council: 30 years: +40 %: 30 mins: Winter	Pipe	S1.02	S1.03	74.389	73.952	0.375	4.195	0.3	0.13	18.4	Surcharged
S2.000	Bury Council: 30 years: +40 %: 15 mins: Summer	Pipe	S2.00	S2.01	74.300	74.064	0.150	2.868	0.8	0.53	9.4	Surcharged
S2.001	Bury Council: 30 years: +40 %: 30 mins: Summer	Pipe	S2.01	S1.03	74.300	73.966	0.150	2.832	0.6	0.46	9.9	Surcharged
S1.003	Bury Council: 30 years: +40 %: 30 mins: Summer	Pipe	S1.03	S1.04	74.389	73.952	0.045	16.440	0.7	0.04	5.5	Surcharged
S1.004	Bury Council: 30 years: +40 %: 30 mins: Winter	Pipe	S1.04	S1.05	74.014	72.674	0.039	16.197	1.5	0.14	5.5	OK
S1.005	Bury Council: 30 years: +40 %: 60 mins: Summer	Pipe	S1.05	S1.06	73.604	71.935	0.043	35.247	1.3	0.15	5.7	OK
S1.006	Bury Council: 30 years: +40 %: 240 mins: Summer	Pipe	S1.06	S1.07	71.773	70.971	0.043	144.278	1.1	0.09	5.7	OK
S1.007	Bury Council: 30 years: +40 %: 30 mins: Summer	Pipe	S1.07	S1.08	71.150	70.336	0.225	16.563	1.1	0.06	5.7	OK
S3.000	Bury Council: 30 years: +40 %: 15 mins: Summer	Pipe	S3.00	S3.01	74.441	73.398	0.075	3.563	0.8	0.17	9.0	OK
S3.001	Bury Council: 30 years: +40 %: 15 mins: Summer	Pipe	S3.01	S3.02	74.440	73.151	0.085	5.867	1.1	0.28	14.5	OK
S3.002	Bury Council: 30 years: +40 %: 15 mins: Summer	Pipe	S3.02	S3.03	74.250	72.975	0.076	5.869	1.2	0.27	14.1	OK
S3.003	Bury Council: 30 years: +40 %: 15 mins: Summer	Pipe	S3.03	S3.04	74.275	72.573	0.150	5.851	0.6	0.21	13.7	OK

Project:	Date: 08/04/2025			
	Designed by: HenryWilkinson	Checked by:	Approved By:	
Report Details: Type: Connections Summary Storm Phase: Storm	Company Address:			

S3.004	Bury Council: 30 years: +40 %: 15 mins: Summer	Pipe	S3.04	S3.05	74.040	72.516	0.180	37.897	2.1	0.93	94.9	OK
S3.005	Bury Council: 30 years: +40 %: 15 mins: Summer	Pipe	S3.05	S3.06	74.270	72.313	0.176	37.890	2.2	0.38	94.1	OK
S3.006	Bury Council: 30 years: +40 %: 15 mins: Summer	Pipe	S3.06	S3.07	74.350	70.784	0.208	50.444	2.4	0.74	124.1	OK
S3.007	Bury Council: 30 years: +40 %: 15 mins: Summer	Pipe	S3.07	S1.08	71.075	70.393	0.300	49.957	2.0	0.74	121.9	OK
S4.000	Bury Council: 30 years: +40 %: 360 mins: Winter	Pipe	S4.00	S4.01	70.480	69.765	0.039	80.287	0.7	0.12	2.5	OK
S4.001	Bury Council: 30 years: +40 %: 30 mins: Winter	Pipe	S4.01	S4.02	70.100	69.689	0.150	4.512	0.7	0.35	6.2	Surcharged
S5.000	Bury Council: 30 years: +40 %: 15 mins: Summer	Pipe	S5.00	S5.01	70.400	69.555	0.225	12.588	1.7	0.61	32.0	Surcharged
S5.001	Bury Council: 30 years: +40 %: 15 mins: Summer	Pipe	S5.01	S5.02	70.500	69.553	0.225	12.460	2.4	0.25	31.8	Surcharged
S6.000	Bury Council: 30 years: +40 %: 15 mins: Summer	Pipe	S6.00	S5.02	70.600	69.563	0.150	9.969	2.1	0.62	23.5	Surcharged
S5.002	Bury Council: 30 years: +40 %: 15 mins: Summer	Pipe	S5.02	S1.13	70.600	69.550	0.300	21.007	1.0	0.42	44.5	Surcharged
S1.013	Bury Council: 30 years: +40 %: 30 mins: Summer	Pipe	S1.13	Outfall	70.341	69.763	0.240	120.421	0.9	0.93	55.5	Surcharged
S1.009	Bury Council: 30 years: +40 %: 15 mins: Summer	Pipe	S1.09	S1.10	70.100	69.687	0.300	57.081	1.4	0.85	93.2	Surcharged
S1.012	Bury Council: 30 years: +40 %: 15 mins: Summer	Pipe	S1.12	S1.13	70.100	69.570	0.300	55.350	1.3	0.48	75.8	Surcharged
S1.010	Bury Council: 30 years: +40 %: 15 mins: Summer	Pipe	S1.10	S1.11	70.100	69.621	0.300	57.062	1.3	0.76	88.0	Surcharged
S1.011	Bury Council: 30 years: +40 %: 15 mins: Summer	Pipe	S1.11	S1.12	70.100	69.595	0.300	56.734	1.4	0.74	82.1	Surcharged
S4.002	Bury Council: 30 years: +40 %: 30 mins: Winter	Pipe	S4.02	S4.03	70.200	69.687	0.150	4.410	0.6	0.41	7.3	Surcharged
S4.003	Bury Council: 30 years: +40 %: 30 mins: Summer	Pipe	S4.03	S4.04	70.250	69.770	0.225	6.562	0.7	0.19	9.8	Surcharged

Project:				Date: 08/04/2025											
				Designed by: HenryWilkinson	Checked by:	Approved By:									
Report Details: Type: Connections Summary Storm Phase: Storm				Company Address:											

S4.004	Bury Council: 30 years: +40 %: 15 mins: Winter	Pipe	S4.04	S1.13	70.341	69.508	0.225	0.425	0.4	0.39	13.9	Surcharged
Formavoid Connection 1	Bury Council: 30 years: +40 %: 15 mins: Winter	Pipe	Permeable Carpark 1	S1.00	74.366	73.920	0.300	0.001	0.2	0	11.3	OK
Formavoid Connection 2	Bury Council: 30 years: +40 %: 360 mins: Summer	Pipe	Permeable Carpark 2	S1.01	74.304	73.964	0.300	3.154	0.2	0	3.4	OK
Formavoid Connection 3	Bury Council: 30 years: +40 %: 30 mins: Summer	Pipe	Permeable Carpark 3	S1.02	74.305	73.900	0.300	0.544	0.1	0	4.8	OK
S1.008	Bury Council: 30 years: +40 %: 15 mins: Winter	Pipe	S1.08	S1.09	70.380	69.826	0.300	57.093	1.6	0.97	108.2	Surcharged
Pitch 1 Outlet	Bury Council: 30 years: +40 %: 360 mins: Winter	Pipe	Permeable Pitch 1	S4.00	70.877	70.668	0.025	80.355	1.7	0.05	2.5	Surcharged
Pitch 2 Outlet	Bury Council: 30 years: +40 %: 360 mins: Winter	Pipe	Permeable Pitch 2	S4.01	70.736	70.524	0.027	25.481	0.5	0.02	0.8	Surcharged
Pipe (2)	Bury Council: 30 years: +40 %: 360 mins: Winter	Pipe	Permeable Pitch 3	S4.03	70.617	70.391	0.034	45.677	0.6	0.09	1.4	Surcharged

Project:	Date: 08/04/2025		
	Designed by: HenryWilkinson	Checked by:	Approved By:
Report Details: Type: Connections Summary Storm Phase: Storm	Company Address:		



Bury Council: 100 years: Increase Rainfall (%): +45: Critical Storm Per Item: Rank By: Max. Flow

Connection	Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
S1.000	Bury Council: 100 years: +45 %: 15 mins: Summer	Pipe	S1.00	S1.01	74.389	74.025	0.375	41.338	1.0	0.5	72.8	Surcharged
S1.001	Bury Council: 100 years: +45 %: 15 mins: Summer	Pipe	S1.01	S1.02	74.389	73.980	0.375	14.543	1.0	0.31	44.3	Surcharged
S1.002	Bury Council: 100 years: +45 %: 15 mins: Summer	Pipe	S1.02	S1.03	74.389	73.979	0.375	1.445	0.4	0.16	22.8	Surcharged
S2.000	Bury Council: 100 years: +45 %: 15 mins: Summer	Pipe	S2.00	S2.01	74.300	74.169	0.150	4.051	0.7	0.64	11.4	Surcharged
S2.001	Bury Council: 100 years: +45 %: 15 mins: Summer	Pipe	S2.01	S1.03	74.300	74.047	0.150	2.736	0.6	0.49	10.6	Surcharged
S1.003	Bury Council: 100 years: +45 %: 30 mins: Winter	Pipe	S1.03	S1.04	74.389	74.006	0.045	16.670	0.7	0.04	5.5	Surcharged
S1.004	Bury Council: 100 years: +45 %: 360 mins: Winter	Pipe	S1.04	S1.05	74.014	72.674	0.039	214.167	1.5	0.14	5.5	OK
S1.005	Bury Council: 100 years: +45 %: 120 mins: Winter	Pipe	S1.05	S1.06	73.604	71.935	0.043	73.056	1.3	0.15	5.7	OK
S1.006	Bury Council: 100 years: +45 %: 120 mins: Winter	Pipe	S1.06	S1.07	71.773	70.971	0.043	72.877	1.1	0.09	5.7	OK
S1.007	Bury Council: 100 years: +45 %: 15 mins: Summer	Pipe	S1.07	S1.08	71.150	70.416	0.225	7.710	0.4	0.17	16.1	OK
S3.000	Bury Council: 100 years: +45 %: 15 mins: Summer	Pipe	S3.00	S3.01	74.441	73.409	0.088	4.764	0.8	0.23	12.0	OK
S3.001	Bury Council: 100 years: +45 %: 15 mins: Summer	Pipe	S3.01	S3.02	74.440	73.167	0.100	7.846	1.1	0.37	19.5	OK
S3.002	Bury Council: 100 years: +45 %: 15 mins: Summer	Pipe	S3.02	S3.03	74.250	72.990	0.095	7.849	1.2	0.37	19.1	OK
S3.003	Bury Council: 100 years: +45 %: 30 mins: Summer	Pipe	S3.03	S3.04	74.275	72.582	0.170	10.727	0.6	0.27	17.3	OK

Project:	Date: 08/04/2025			
	Designed by: HenryWilkinson	Checked by:	Approved By:	
Report Details:	Company Address:			
Type: Connections Summary Storm Phase: Storm				

S3.004	Bury Council: 100 years: +45 %: 15 mins: Summer	Pipe	S3.04	S3.05	74.040	72.583	0.224	50.699	2.2	1.21	122.4	OK
S3.005	Bury Council: 100 years: +45 %: 15 mins: Summer	Pipe	S3.05	S3.06	74.270	72.334	0.300	50.567	2.2	0.49	122.7	OK
S3.006	Bury Council: 100 years: +45 %: 30 mins: Summer	Pipe	S3.06	S3.07	74.350	71.468	0.300	92.272	2.4	0.89	149.1	Surch arged
S3.007	Bury Council: 100 years: +45 %: 30 mins: Summer	Pipe	S3.07	S1.08	71.075	71.077	0.300	91.706	2.0	0.77	127.9	Flood
S4.000	Bury Council: 100 years: +45 %: 30 mins: Winter	Pipe	S4.00	S4.01	70.480	70.132	0.150	4.428	0.6	0.22	4.6	Surch arged
S4.001	Bury Council: 100 years: +45 %: 30 mins: Winter	Pipe	S4.01	S4.02	70.100	70.100	0.150	5.869	0.7	0.41	7.3	Flood
S5.000	Bury Council: 100 years: +45 %: 15 mins: Summer	Pipe	S5.00	S5.01	70.400	70.017	0.225	16.776	1.7	0.85	43.9	Surch arged
S5.001	Bury Council: 100 years: +45 %: 30 mins: Summer	Pipe	S5.01	S5.02	70.500	70.079	0.225	22.884	2.3	0.28	35.9	Surch arged
S6.000	Bury Council: 100 years: +45 %: 15 mins: Summer	Pipe	S6.00	S5.02	70.600	70.033	0.150	13.052	2.2	0.72	27.4	Surch arged
S5.002	Bury Council: 100 years: +45 %: 30 mins: Summer	Pipe	S5.02	S1.13	70.600	70.058	0.300	41.427	1.1	0.44	47.0	Surch arged
S1.013	Bury Council: 100 years: +45 %: 60 mins: Summer	Pipe	S1.13	Outfall	70.341	70.072	0.248	230.317	0.9	0.97	57.5	Surch arged
S1.009	Bury Council: 100 years: +45 %: 15 mins: Summer	Pipe	S1.09	S1.10	70.100	70.110	0.300	70.006	1.5	0.97	106.8	Flood
S1.012	Bury Council: 100 years: +45 %: 15 mins: Winter	Pipe	S1.12	S1.13	70.100	70.034	0.300	62.934	1.5	0.45	71.0	Surch arged
S1.010	Bury Council: 100 years: +45 %: 15 mins: Summer	Pipe	S1.10	S1.11	70.100	70.068	0.300	67.725	1.4	0.81	93.9	Surch arged
S1.011	Bury Council: 100 years: +45 %: 15 mins: Summer	Pipe	S1.11	S1.12	70.100	70.048	0.300	65.797	1.5	0.73	81.7	Surch arged
S4.002	Bury Council: 100 years: +45 %: 30 mins: Winter	Pipe	S4.02	S4.03	70.200	70.087	0.150	5.747	0.7	0.56	10.0	Surch arged
S4.003	Bury Council: 100 years: +45 %: 30 mins: Winter	Pipe	S4.03	S4.04	70.250	70.077	0.225	8.370	0.7	0.27	14.1	Surch arged

Project:				Date: 08/04/2025							
				Designed by: HenryWilkinson		Checked by:					
Report Details: Type: Connections Summary Storm Phase: Storm				Company Address:							

S4.004	Bury Council: 100 years: +45 %: 30 mins: Summer	Pipe	S4.04	S1.13	70.341	70.058	0.225	8.190	0.6	0.49	17.5	Surcharged
Formavoid Connection 1	Bury Council: 100 years: +45 %: 15 mins: Winter	Pipe	Permeable Carpark 1	S1.00	74.366	73.948	0.300	0.000	0.2	0	11.4	OK
Formavoid Connection 2	Bury Council: 100 years: +45 %: 240 mins: Summer	Pipe	Permeable Carpark 2	S1.01	74.304	74.002	0.300	2.258	0.1	0	3.7	OK
Formavoid Connection 3	Bury Council: 100 years: +45 %: 30 mins: Summer	Pipe	Permeable Carpark 3	S1.02	74.305	73.932	0.300	0.478	0.1	0	6.8	OK
S1.008	Bury Council: 100 years: +45 %: 15 mins: Summer	Pipe	S1.08	S1.09	70.380	70.384	0.300	72.870	1.7	1.06	117.7	Flood
Pitch 1 Outlet	Bury Council: 100 years: +45 %: 360 mins: Winter	Pipe	Permeable Pitch 1	S4.00	70.877	70.709	0.027	95.567	1.7	0.06	2.9	Surcharged
Pitch 2 Outlet	Bury Council: 100 years: +45 %: 360 mins: Winter	Pipe	Permeable Pitch 2	S4.01	70.736	70.565	0.029	29.661	0.5	0.02	0.9	Surcharged
Pipe (2)	Bury Council: 100 years: +45 %: 360 mins: Winter	Pipe	Permeable Pitch 3	S4.03	70.617	70.433	0.036	53.195	0.6	0.1	1.6	Surcharged